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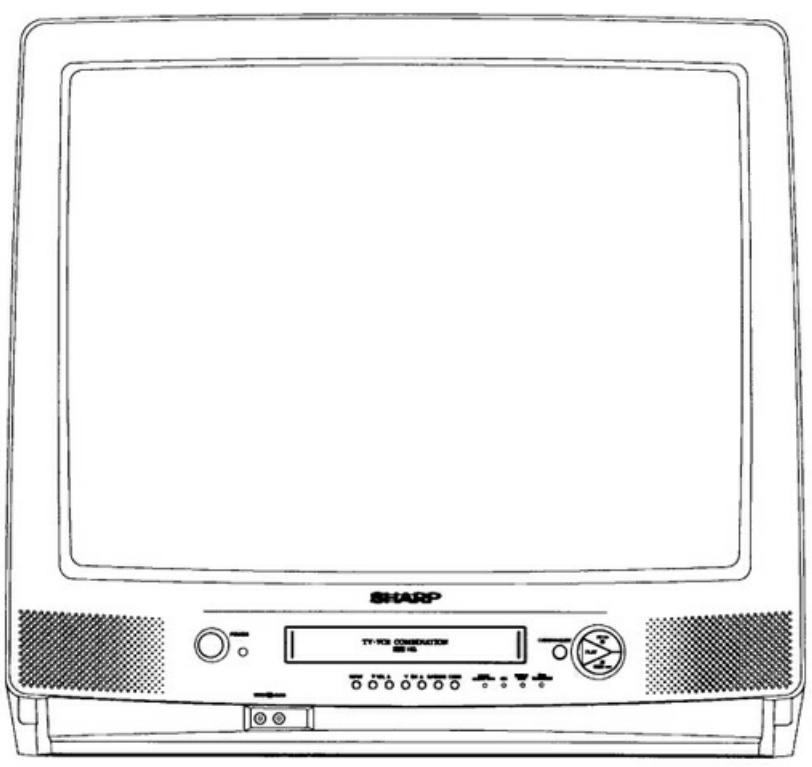
SHARP 25VT-J100 SERVICE MANUAL



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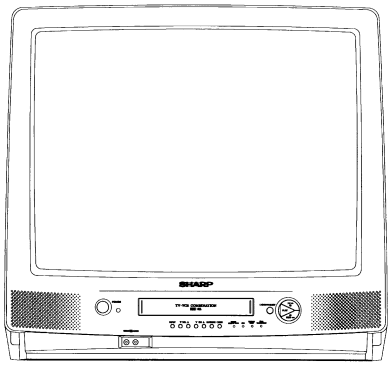
SHARP SERVICE MANUAL

S67A825VT-J10



TV/VCR COMBINATION
Chassis No. VN-71

MODELS 25VT-J100 25VT-CJ10

In the interests of user-safety (Required by safety regulations in some countries) the set should be restored to its original condition and only parts identical to those specified should be used.

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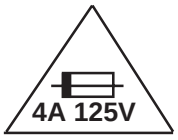
SHARP ELECTRONICS CORPORATION
Service Headquarters: Sharp Plaza, Mahwah, New Jersey 07430-2135
SHARP ELECTRONICS OF CANADA LTD.
335 Britannia Road East Mississauga, Ontario L4Z 1W9 Canada

IMPORTANT SERVICE SAFETY PRECAUTION

■ **Service work should be performed only by qualified service technicians who are thoroughly familiar with all safety checks and servicing guidelines which follow:**

WARNING

1. For continued safety, no modification of any circuit should be attempted.
2. Disconnect AC power before servicing.
3. Semiconductor heat sinks are potential shock hazards when the chassis is operating.
4. The chassis in this receiver has two ground systems which are separated by insulation material. The non-isolated (hot) ground system is for the B+ voltage regulator circuit and the horizontal output circuit.The isolated ground system is for the low B+ DC voltages and the secondary circuit of the high voltage transformer.
   To prevent electrical shock use an isolation transformer between the line cord and power receptacle, when servicing this chassis.



CAUTION: FOR CONTINUED PROTECTION AGAINST A RISKOF FIRE, REPLACE ONLY WITH SAME TYPE 4A-125V FUSE.

SERVICING OF HIGH VOLTAGE SYSTEM AND PICTURE TUBE

When servicing the high voltage system, remove the static charge by connecting a 10k ohm resistor in series with an insulated wire (such as a test probe) between the picture tube ground and the anode lead. (AC line cord should be disconnected from AC outlet.)

1. Note that the picture tube in this receiver employs integral implosion protection.
2. Replace with tube of the same type number for continued safety.
3. Do not lift picture tube by the neck.
4. Handle the picture tube only when wearing shatterproof goggles and after discharging the high voltage anode completely.

X-RADIATION AND HIGH VOLTAGE LIMITS

1. Be sure all service personnel are aware of the procedures and instructions covering X-radiation. The only potential source of X-ray in current solid state TV receivers is the picture tube. However, the picture tube does not emit measurable X-Ray radiation if the high voltage is as specified in the "High Voltage Check" instructions.
   It is only when high voltage is excessive that X-radiation is capable of penetrating the shell of the picture tube including the lead in glass material. The important precaution is to keep the high voltage below the maximum level specified.
2. It is essential that servicepersonal have available at all times an accurate high voltage meter.
   The calibration of this meter should be checked periodically.
3. High voltage should always be kept at the rated value –no higher. Operation at higher voltages may cause a failure of the picture tube or high voltage circuitry and; also under certain conditions, may produce radiation excess specitications.
4. When the high voltage regulator is operating properly there is no possibility of an X-radiation problem. Every time a color chassis is serviced, the brightness should be tested while monitoring the high voltage with a meter to be certain that the high voltage does not exceed the specified value and that it is regulating correctly.
5. Do not use a picture tube other than that specified or make unrecommended circuit modifications to the high voltage circuitry.
6. When trouble shooting and taking test measurements on a receiver with excessive high voltage, avoid being unnecessarily close to the receiver.
   Do not operate the receiver longer than is necessary to locate the cause of excessive voltage.

IMPORTANT SERVICE SAFETY PRECAUTION

(Continued)

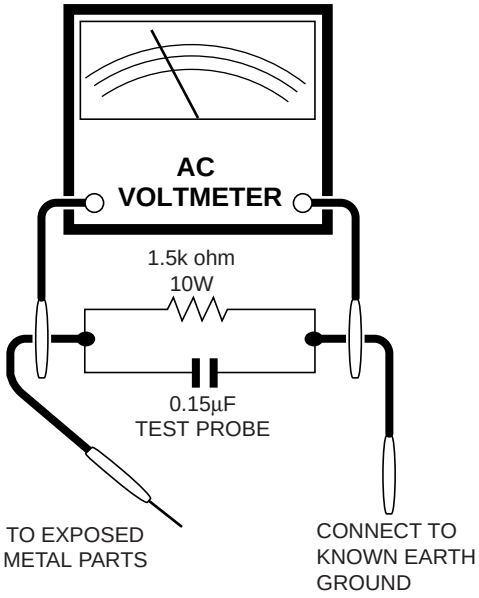
BEFORE RETURNING THE RECEIVER

(Fire & Shock Hazard)

Before returning the receiver to the user, perform the following safety checks.

1. Inspect all lead dress to make certain that leads are not pinched or that hardware is not lodged between the chassis and other metal parts in the receiver.
2. Inspect all protective devices such as non-metallic control knobs, insulating materials, cabinet backs, adjustment and compartment covers or shields, isolation resistor-capacity networks, mechanical insulators, etc.
3. To be sure that no shock hazard exists, check for leakage current in the following manner.

- Plug the AC cord directly into a 120 volt AC outlet, using reverse polarity (Do not use an isolation transformer for this test).
- Using to clip leads, connect a 1.5k ohm, 10 watt resistor paralleled by a 0.15µF capacitor in series with all exposed metal cabinet parts and a known earth ground, such as electrical conduit or electrical ground connected to earth ground.
- Use an AC voltmeter having with 5000 ohm per volt, or higher, sensitivity to measure the AC voltage drop across the resistor.
- Connect the resistor connection to all exposed metal parts having a return to the chassis (antenna, metal cabinet, screw heads, knobs and control shafts, escutcheon, etc.) and measure the AC voltage drop across the resistor.
  AII check must be repeated with the AC line cord plug connection reversed. (IF necessary, a non-polarized adapter plug must be used only for the purpose of completing these check.)
  Any current measured must not exceed 0.5 milliamp. Any measurements not within the limits outlined above are indicative of a potential shock hazard and corrective action must be taken before returning the instrument to the customer.



SAFETY NOTICE

Many electrical and mechanical parts in television receivers have special safety-related characteristics. These characteristics are often not evident from visual inspection, nor can protection afforded by them be necessarily increased by using replacement components rated for higher voltage, wattage, etc.
Replacement parts which have these special safety characteristics are identified in this manual; electrical components having such features are identified by " ⚠ " and shaded areas in the Replacement Parts Lists and Schematic Diagrams.

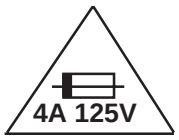
For continued protection, replacement parts must be identical to those used in the original circuit. The use of a substitute replacement parts which do not have the same safety characteristics as the factory recommended replacement parts shown in this service manual, may create shock, fire, X-radiation or other hazards.

PRECAUTIONS A PRENDRE LORS DE LA REPARATION

■ **Ne peut effectuer la réparation qu' un technicien spécialisé qui s'est parfaitement accoutumé à toute vérification de sécurité et aux conseils suivants.**

AVERTISSEMENT

1. N'entreprendre aucune modification de tout circuit. C'est dangereux.
2. Débrancher le récepteur avant toute réparation.
3. Les déversoirs thermiques à semi-conducteurs peuvent présenter un danger de choc électrique lorsque le réceqteur est en marche.
4. Le châssis de ce récepteur a deux systèmes de mise à la terre qui sont séparés par un matériau isolant. Le système de mise à la terre non-isolée (chaud) est pour le circuit du régulateur de tension B+ et le circuit de sortie horizontale. Le système de mise à la terre isolé est pour les basses tensions C. C. B+ et le circuit secondaire du transformateur de haute tension.



PRECAUTION:POUR LA PROTECTION CONTINUE CONTRE LES RISQUES D'INCENDIE, REMPLACER LE FUSIBLE PAR UN FUSIBLE DE MEME TYPE 4A-125V.

REPARATION DU SYSTEME A HAUTE TENSION ET DU TUBE-IMAGE

Lors de la réparation de ce systéme, supprimer la charge statique en branchant une résistance de 10 k en série avec un fil isolé (comme une sonde d'essai) entre la mise à la terre du tube-image et le fil d'anodel. (Le corden d'alimentation doit être retiré de la prise murale.)

1. Il est à noter que le tube-image de ce récepteur est intégralement protégé contre l'implosion.
2. Par mesure de sécurité, changer le tube-image pour un tube du même numéro de type.
3. Ne pas lever le tube-image par son col.
4. Ne manipuler le tube-image qu'en porant des lunettes incassables et qu'après avoir déchargé totalement la haute tension.

LIMITES DES RADIATIONS X ET DE LA HAUTE TENSION

1. Tout le personnel réparateur doit être instruit des instructions et procédés relatifs aux radiations X.
   Le tube-image, seule source de rayons X dons les téleviseurs transistorisés, n'émet pourtant pas de rayons mesurables si la haute tension est maintenue à un niveau préconisé dans la section "Vérification de la haute tension".
   C'est seulement quand la haute tension est excessive que les rayons X peuvent entrer dans l'enveloppe du tube-image y compris le conducteur de verre. Il est important de maintenir la haute tension en-dessous du niveau spécifié.
2. Il est essentiel que le réparateur ait sous la main un voltmètre à haute tension qui doit être périodiquement étalonné.
3. La haute tension doit toujours être maintenue à la valeur de régime-et pas plus haute. L'opération à des tensions plus élevées peut entraîner une panne du tube-image ou du circuit à haute tension et, dans certaines conditions, peut entraîner une radiation dépassant les niveaux préscrits.
4. Quand le régulateur à haute tension fonctionne correctement, il n'y a aucun problème de radiation X. Chaque fois qu'un châssis couleurs est réparé, la luminosité doit être examinée bout en contrôlant la haute tension à l'aide d'un voltmètre pour s'assurer que la haute tension ne dépasse pas la valeur spécifiée et qu'elle soit correctement réglée.
5. Ne pas utiliser un tube-image autre que celui spécifié et ne pas effectuer de modifications déconseillées du circuit à haute tension.
6. Lors de la recherche des pannes et des mesures d'essai sur un récepteur qui présente une haute tension excessive, éviter de s'approcher inutilement du récepteur.
   Ne pas faire fonctionner le récepteur plus longtemps que nécessaire pour localiser la cause de la tension excessive.

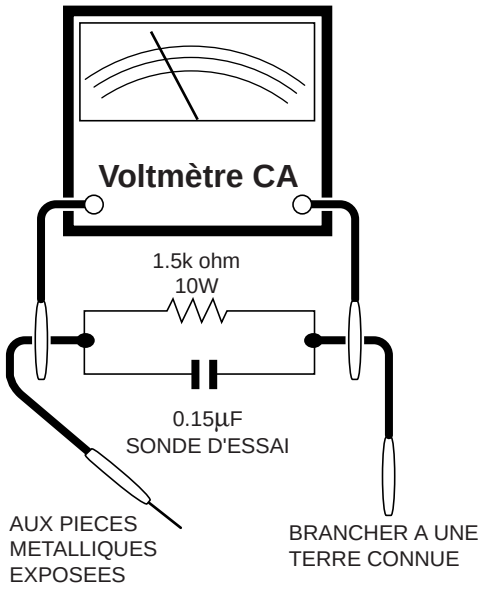
PRECAUTIONS A PRENDRE LORS DE LA REPARATION
(Suite)

VERIFICATIONS CONTRE L'INCEN-DIE ET LE CHOC ELECTRIQUE

Avant de rendre le récepteur à l'utilisateur, effectuer les vérifications suivantes.

1. Inspecter tous les faisceaux de câbles pour s'assurer que les fils ne soient pas pincés ou qu'un outil ne soit pas placé entre le châssis et les autres pièces métalliques du récepteur.
2. Inspecter tous les dispositifs de protection comme les boutons de commande non-métalliques, les isolants, le dos du coffret, les couvercles ou blindages de réglage et de compartiment, les réseaux de résistance-capacité, les isolateurs mécaniques, etc.
3. S'assurer qu'il n'y ait pas de danger d'électrocution en vérifiant la fuite de courant, de la facon suivante:

- Brancher le cordon d'alimentation directem-ent à une prise de courant de 120V. (Ne pas utiliser de transformateur d'isolation pour cet essai).
- A l'aide de deux fils à pinces, brancher une résistance de 1,5 kΩ 10 watts en parallèle avec un condensateur de 0,15µF en série avec toutes les pièces métalliques exposées du coffret et une terre connue comme une conduite électrique ou une prise de terre branchée à la terre.
- Utiliser un voltmètre CA d'une sensibilité d'au moins 5000Ω/V pour mesurer la chute de tension en travers de la résistance.
- Toucher avec la sonde d'essai les pièces métalliques exposées qui présentent une voie de retour au châssis (antenne, coffret métallique, tête des vis, arbres de commande et des boutons, écusson, etc.) et mesurer la chute de tension CA en-travers de la résistance.
  Toutes les vérifications doivent être refaites après avoir inversé la fiche du cordon d'alimentation. (Si nécessaire, une prise d'adpatation non polarisée peut être utilisée dans le but de terminer ces vérifications.)
  Tous les courants mesurés ne doivent pas dépasser 0,5 mA.
  Dans le cas contraire, il y a une possibilité de choc électrique qui doit être supprimée avant de rendre le récepteur au client.



AVIS POUR LA SECURITE

De nombreuses pièces, électriques et mécaniques, dans les téléviseurs présentent des caractéristiques spéciales relatives à la sécurité, qui ne sont souvent pas évidentes à vue. Le degré de protection ne peut pas être nécessairement augmentée en utilisant des pièces de remplacement étalonnées pour haute tension, puissance, etc.
Les pièces de remplacement qui présentent ces caractéristiques sont identifiées dans ce manuel; les pièces électriques qui présentent ces particularités sont identifiées par la marque " ⚠ " et hachurées dans la liste des pièces de remplacement et les diagrammes schématiques.
Pour assurer la protection, ces pièces doivent être identiques à celles utilisées dans le circuit d'origine. L'utilisation de pièces qui n'ont pas les mêmes caractéristiques que les pièces recommandées par l'usine, indiquées dans ce manuel, peut provoquer des électrocutions, incendies, radiations X ou autres accidents.

ELECTRICAL SPECIFICATIONS

■ TV SECTION

POWER INPUT:	120 V AC 60 Hz
POWER RATING:	110W
PICTURE SIZE	
Width:	63.4cm
Height:	58.8cm
Depth:	51.2cm
CONVERGENCE:	Magnetic
SWEEP DEFLECTION:	Magnetic
FOCUS:	Hi-Bi-Potential Electrostatic
INTERMEDIATE FREQUENCIES	
Picture IF Carrier Frequency:	45.75 MHz
Sound IF Carrier Frequency:	41.25 MHz
Color Sub-Carrier Frequency:	42.17 MHz (Nominal)
AUDIO POWER OUTPUT RATING:	1.3W (at 10% Distortion)
SPEAKER	
Size:	8cm (3")P.M.,0.34 oz. Magnet
Voice Coil Impedance:	8 ohm at 400 Hz
VHF/UHF ANTENNA INPUT IMPEDANCE:	75 ohm unbalanced
TUNING RANGES	
VHF-Channels:	2 thru 13
UHF -Channels:	14 thru 69
CATV Channels:	1,14 thru 125 (EIA,Channel Plan)

■ VCR SECTION

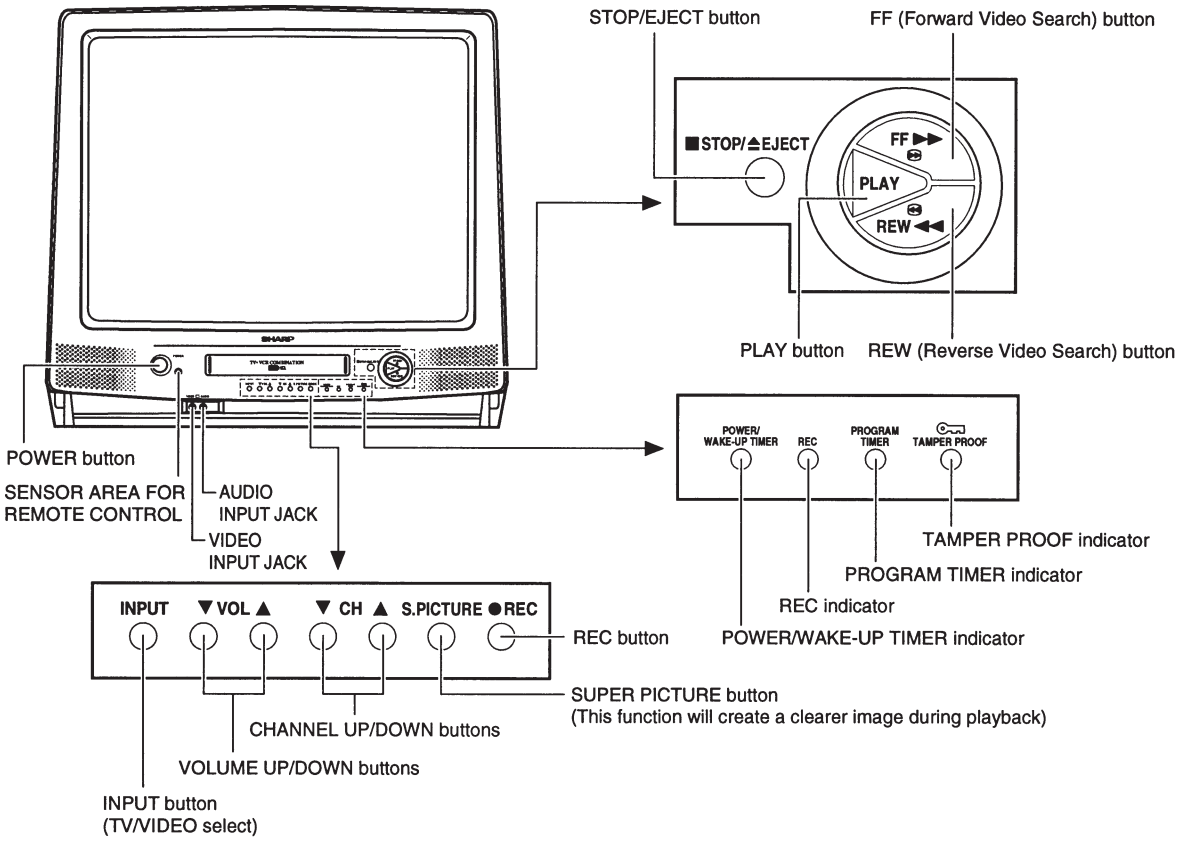
Format:	VHS Standard
Video Recording System:	Rotary Two-Head Helical Scanning
Number of Video Heads:	2 pcs.
Video Signal Standard:	NTSC Color System
Tape Width:	12.7mm (1/2inch)
Tape Speed:	(SP)33.35mm/sec (1.31i.p.s) (LP)16.67mm/sec (0.66i.p.s) Play back only (EP)11.12mm/sec (0.44i.p.s)
Maximum Recording Time:	(SP)160min (T-160) (EP)480min (T-160)
Video Input:	0.5 to 2.0 Vp-p, 75 ohm unbalanced
Audio Input:	-8dB, 47k ohm unbalanced (0 dB-0.775 Vrms)
Operating Temperature:	5°C to 40°C (41°F to 104°F)
Storage Temperature:	-20°C to 60°C (-4°F to 140°F)

Specifications are subject to change without prior notice.

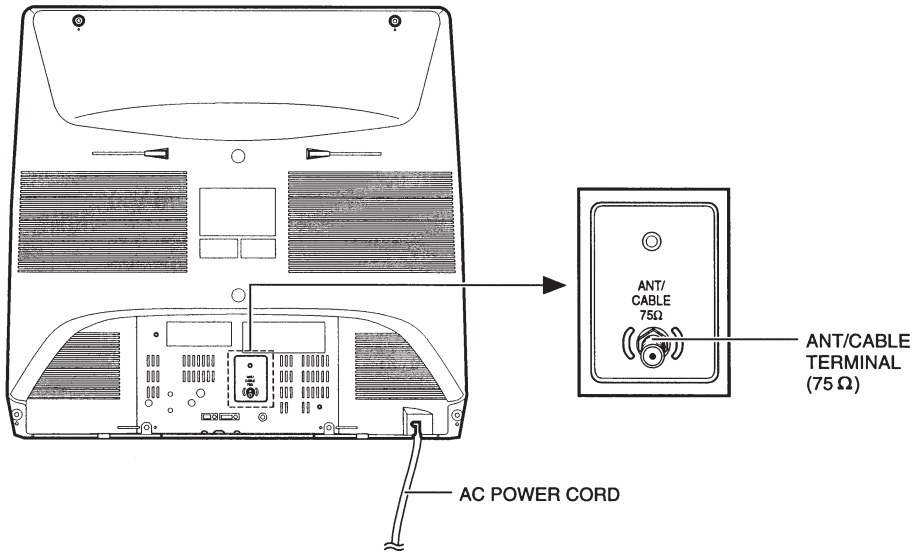
LOCATION OF USER'S CONTROL

Description Of Controls

FRONT

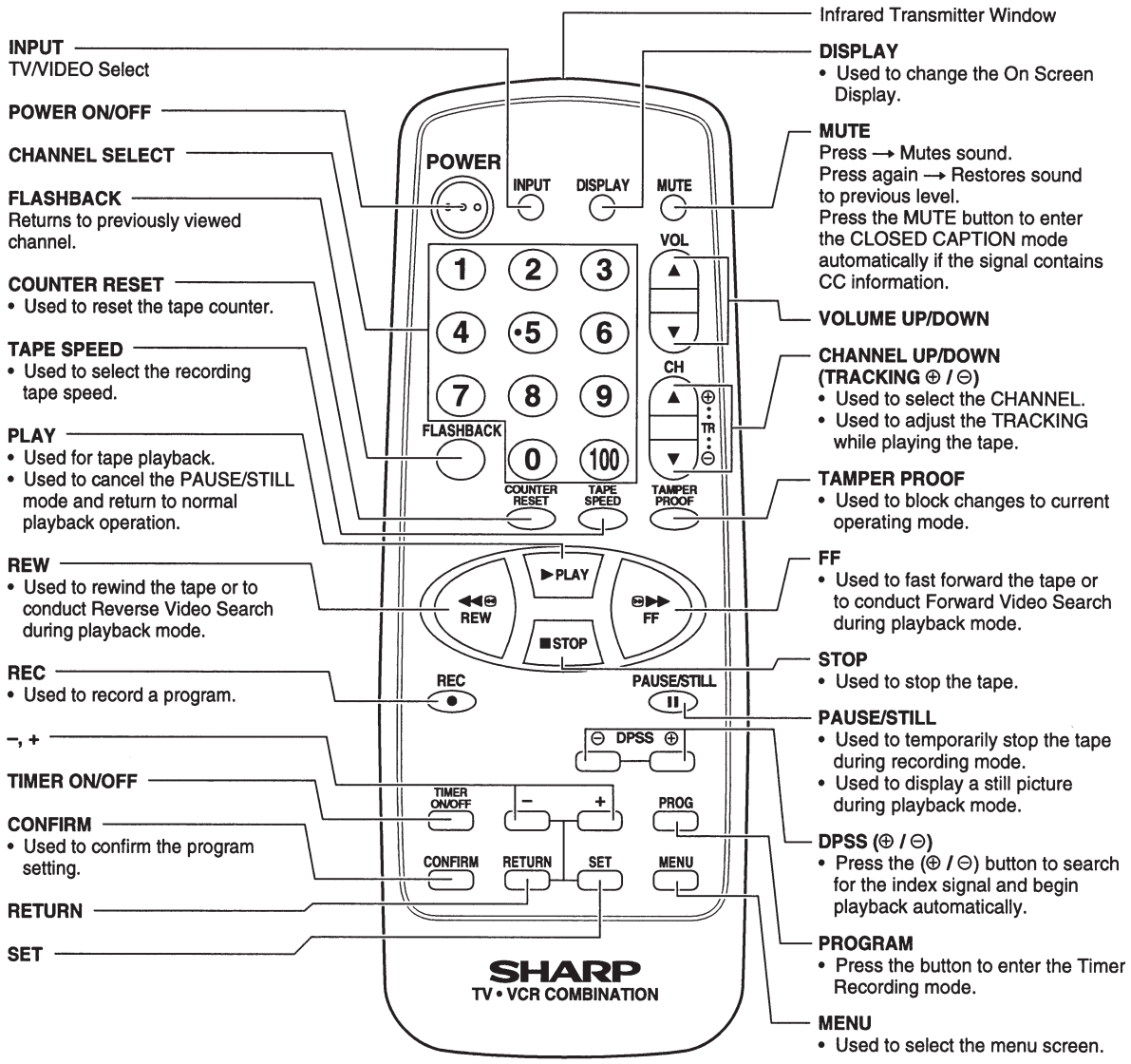


REAR



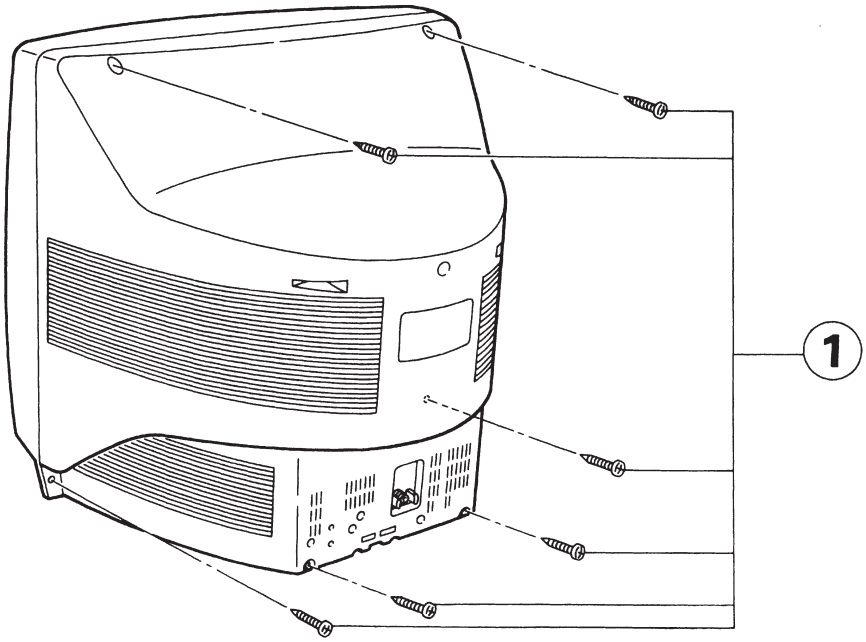
LOCATION OF USER'SCONTROL (Continued)

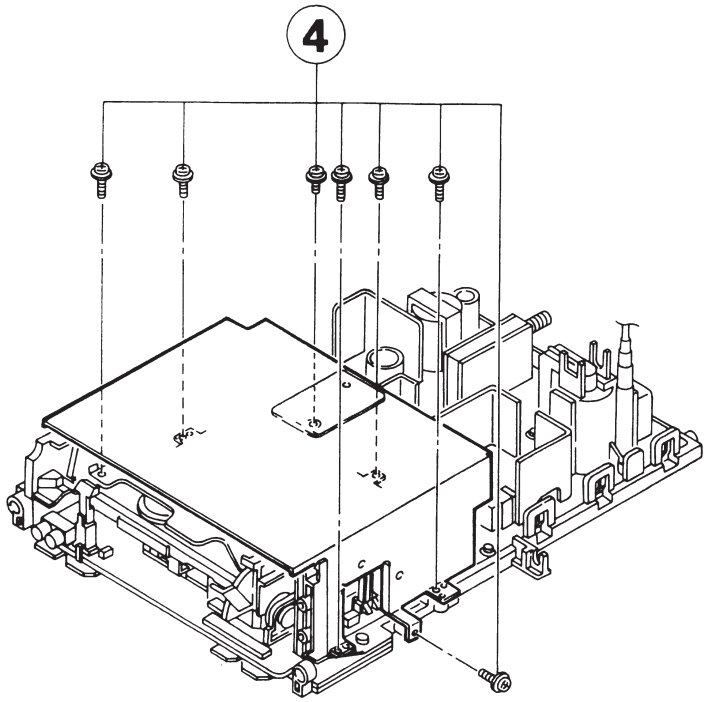
Location Of Control's Buttons (Remote Control)

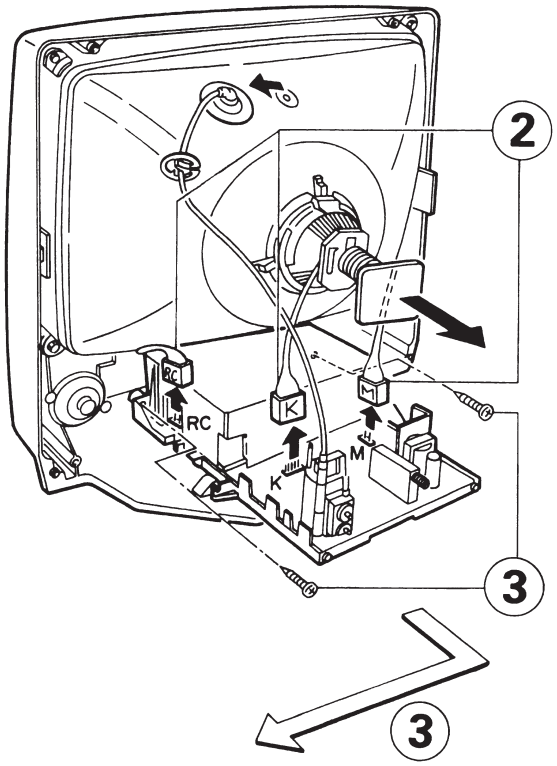


DISASSEMBLY AND REASSEMBLY

1. Remove the 6 rear cover fixing screws and detach the rear cover.
2. Take out the anode cap, CRT PWB, connectors K,M and RC, coating ground SP chip, fixing screws and others.
3. Remove the 2 main PWB fixing screws and take out the main PWB unit and the VCR unit.
4. Remove the 7 VCR fixing screws, and detach the shielding case.

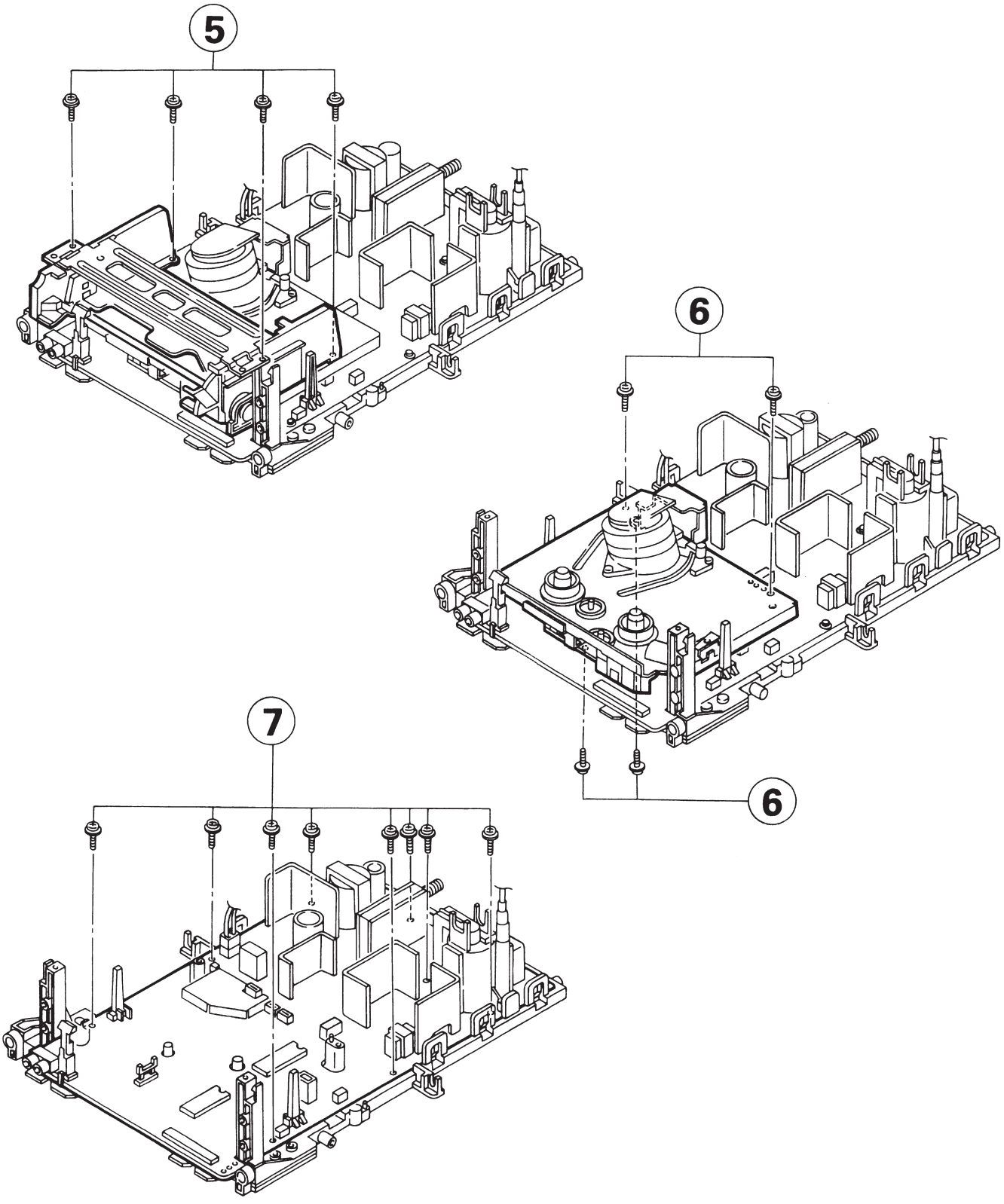






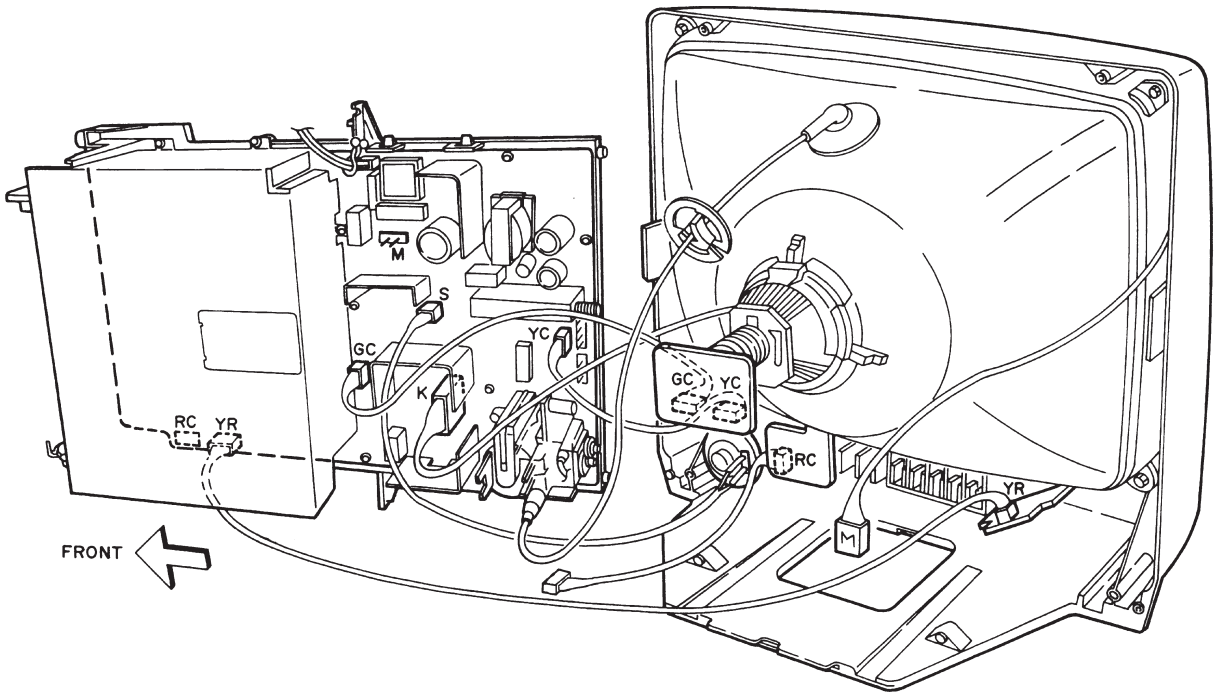
DISASSEMBLY AND REASSEMBLY (Continued)

5. Remove the 4 cassette housing control fixing screws, and detach the cassette housing control.
6. Remove the 4 mechanism chassis fixing screws, and detach the mechanism chassis PWB.
7. Remove the 8 main PWB fixing screws, and detach the main PWB.

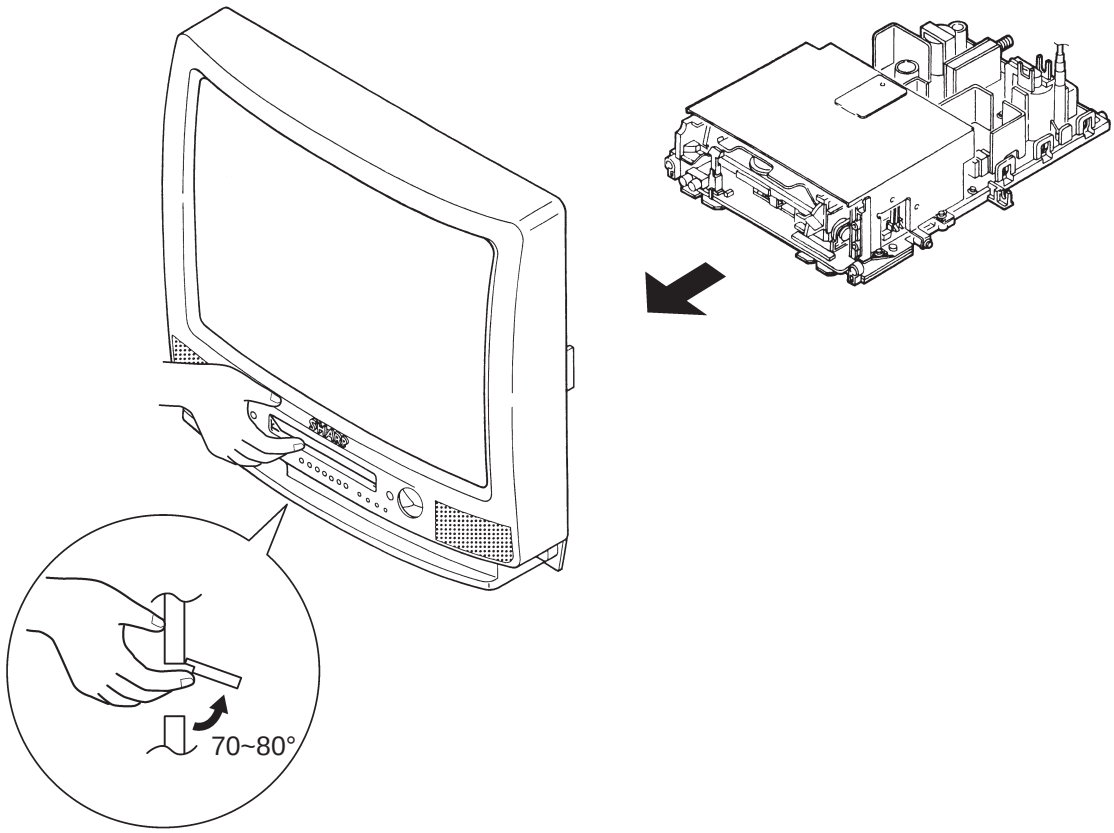


DISASSEMBLY AND REASSEMBLY (Continued)

For servicing any of the components inside, disconnect the lead dressing holder. Position the main PWB unit upright as shown below and connect the leads for starting the services.



Note: Fit the VCR unit into the front cabinet with the front flap door tilted at 70~80°.



INSTALLATION AND SERVICE INSTRUCTIONS

Notes: (1) When performing any adjustments to resistor controls and transformers use non-metallic screwdriver or TV alignment tools.
(2) Before performing adjustment, TV set must be on at least 15 minutes.

CIRCUIT PROTECTION

The receiver is protected by a 4.0A fuse (F701), mounted on PWB-A, wired into one side of the AC line input.

X-RADIATION PROTECTOR CIRCUIT TEST

After service has been performed on the horizontal deflection system, high voltage system, or B+ system, test the X-radiation protector circuit to ascertain proper operation as follows:

1. Apply 120V AC using a variac transformer for accurate input voltage.
2. Allow for warm up and using the remote controller, set the brightness level and contrast level to maximum.
3. Check the voltage of test point TP653. (It's voltage should be about 10.3V DC.)
4. Apply external 13.3V DC at TP653 by using an external DC supply, The increased voltage will cause the horizontal oscillator to stop and the TV to shut off.
5. To re-start the osillator, remove the external DC power supply and short together TP651 and TP652. Once the TV set operates normally again, remove the short between TP651 and TP652.

HIGH VOLTAGE CHECK

High voltage is not adjustable but must be checked to verify that the receiver is operating within safe and efficient design limitations as specified checks should be as follows:

1. Connect an accurate high voltage meter between ground and anode.
2. Operate receiver for at least 15 minutes at 120V AC line voltage, with strong air signal or properly tuned in test signal.
3. Set to Service mode on, service item: MUTE, and bus data 1(Y-mute on).
4. The voltage should be approximately 28.1kV (at zero beam).
   If a correct reading cannot be obtained, check circuitry for malfunctioning components.
   Upon completion of voltage check, readjust screen control for proper operation and set S851 to center position (cut off mode).

The J-series SHARP TV/VCR COMBINATION have most of the analog setup adjustments eliminated. Coil and variable resistor adjustments are now performed digitally by using the remote transmitter or set's volume and channel change function buttons.

Note: There are still a few analog adjustments in the J-series such as 120V adjust, focus, master screen voltage and coils in the picture if/detector circuit.
Follow the steps below whenever service adjustment is required. See table "B" to determine if service adjustments are required.

1.Service mode -

Before putting unit into the service mode, check, that customer adjustments are in the normal mode. use the reset function in the video adjust menu to ensure customer controls are in their proper (reset) position.

To enter the service mode -

While pressing the Ch-up (S2507) button, Plug the AC cord into a wall socket. Now the TV set is switched on and enters the service mode.
When successfully entered, the service mode will be displayed as shown in **Figure A.** The "SERVICE MODE" figure the top line stands for service adjustment item and data (see **Figure A.**).

To exit service mode-

Turn off the power or unplug the set.

2. Service item selection

Once in the service mode, press the channel up or channel down button on the remote transmitter or at the set.
(**Table-A.**) . Select the item you wish to adjust.

3.Data number selection

Pess the volume up or down button to adjust the data number in the upper left hand side of the screen.

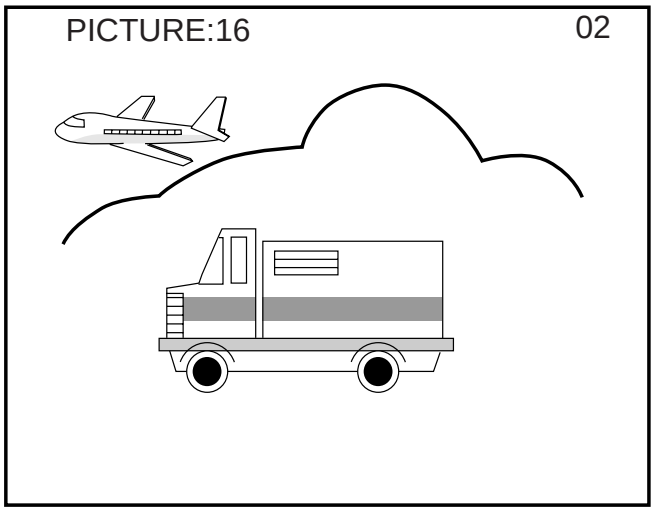


Figure A.

Table-A

ADJUSTMENT ITEM	DATA		ADJUSTMENT COMMENTS
	INTIAL VALUE	RANGE	
PICTURE	16	0~63	
TINT	33	0~77	
COLOR	25	0~63	
BRIGHT	28	0~63	
SHARP	7	0~13	
V-PHASE	3	0~7	
H-PHASE	20	0~31	
RF-AGC	31	0~63	
V-AMP	18	0~63	
PIF-VCO	64	0~127	
R CUT-OFF	0	0~255	
G CUT -OFF	0	0~255	
B CUT-OFF	0	0~255	
G GAIN	128	0~255	
B GAIN	128	0~255	
MUTE	0	0~2	"0"=Normal raster,"1"=no "2"=No Vertical
BALANCE	32	0~63	
TEXT POSITION	28	0~128	
TEXT PICTURE	20	0~1	
CCD LEVEL	7	0~10	
OPTION	1	0~3	

*No adjustment is required due to proper setting being made by IC3101 automatically.

Table-B

PART REPLACED	ADJUSTMENT		NOTE
	NECESSARY	UNNECESSARY	
IC2001		X	Data is stored in IC2101.
IC401	X		The adjustment is needed to compensate for characteristics of parts including IC401.
IC2101	X		Initial setting values are written from IC2001.Adjust for best results.
CRT	X		Adjust items related to picture tube only.

■ SERVICE ADJUSTMENT

VCO Adjustment

1. Connect a digital voltmeter between pin(44) of IC401 and ground.
2. Select a good local channel.
3. Enter the service mode. select adjustment “PIF-VCO” and data value “64”.
4. Adjust the VCO coil T201 so that the digital voltmeter reads 2.5 volts.
5. Adjustment is complete, remove the voltmeter, return to “normal” mode.

RF AGC Adjustment

1. Have unit receive a good local channel.
2. Enter the service mode and select service adjustment “RF-AGC”.
3. Set the data value to point where no noise or beat appears.
4. Select another channel to confirm that no noise or beat appears.

   Note 1: You will have to come out of the service mode to select another channel.

   Note 2: Setting the data to “0” will produce a black raster.

Screen adjustment

1. Select a good local channel.
2. Enter the service mode and select service adjustment “COLOR” and set the data value to “0” to set the color level to minimum.You may skip this step if you selected a B/W picture or monoscope pattern.
3. Select service adjustment “MUTE” and adjust the data value to “1” this turns off the luminance signal (Y-mute) .
4. Select service adjustment “BRIGHT” and adjust data value to "28".
5. Adjust the master screen control untill raster darkens to the point where raster is barely seen.
6. Adjust service adjustments “R-CUT OFF” red,”G-CUT OFF" green and “B-CUT OFF” blue to obtain a good grey scale with normal whites at low brightness level.
7. Select service adjustment “MUTE” and reset data to” 0" Select service adjustment “COLOR” and reset data to obtain normal color level.
8. Remove digital voltmeter. reset master screen control to obtain normal brightness range.

White balance adjustment

1. Have unit receive a good local channel.
2. Enter the service mode. select service adjustment “COLOR” and set to “0” (minimum color) . “COLOR” does not have to be adjusted if you selected a B/W picture or monoscope pattern.
3. Alternately adjust service adjustment data of “G GAIN” and “B GAIN” untill a good grey scale with normal whites is obtained.
4. Select service adjustment “COLOR”and adjust data to obtain normal color level.

Sub-picture adjustment

1. Have unit receive a good local channel.
2. Make sure the customer picture control is set to maximum.
3. Enter the service mode and select service adjustment “PICTURE”.
4. Adjust the data value to achieve normal contrast range.

Sub-Tint Adjustment

1. Have unit receive a good local channel.
2. Set customer tint control to center of it’s range.
3. Enter the service mode and select service adjustment “TINT”.
4. Adjust “TINT” data value to obtain normal flesh tones.

Sub-color adjustment

1. Have unit receive a good local channel.
2. Make sure the customer color control is set to center position .
3. Enter the service mode and select service adjustment “COLOR”.
4. Adjust “COLOR”data value to obtain normal color level.

Sub-brightness adjustment

1. Have unit receive a good local channel.
2. Make sure the customer brightness control is set to center position.
3. Enter the service mode and select service adjustment “BRIGHT”.
4. Adjust “BRIGHT”data value to obtain normal brightness level.

Vertical-size adjustment

1. Have unit receive a good local channel.
2. Enter the service mode and select service adjustment “V-AMP”.
3. While observing the top and bottom of the screen, adjust “V-AMP” data value to proper vertical size and linearity.

Horizontal position adjustment

1. Have unit receive a good local channel.
2. Enter the service mode and select service adjustment “H-PHASE”.
3. Adjust “H-PHASE” data value so that picture is centered.

Caption position adjustment (horizontal)

1. Have unit receive a good local channel.
2. Enter the service mode and select service adjustment “TEXT POSITION”.
3. A black text box appears on the screen (see **Figure B.**) .
4. Adjust “TEXT POSITION” data value so that text box is positioned in the center of the screen.

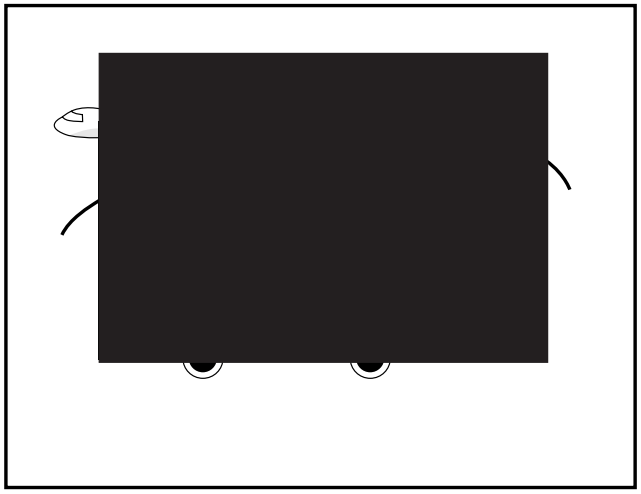
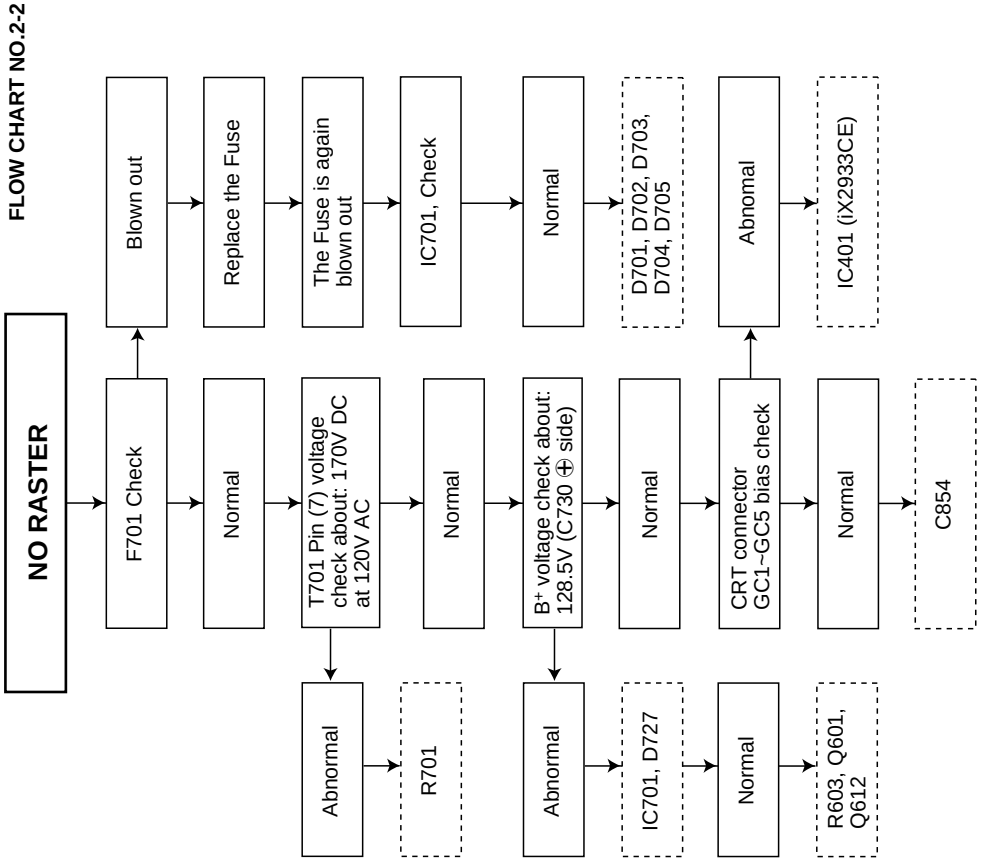


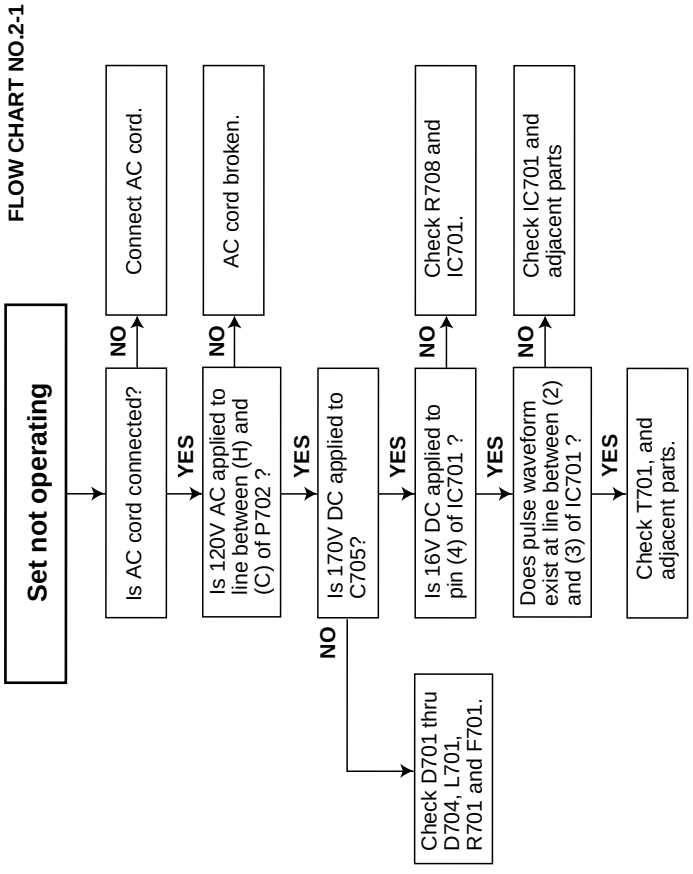
Figure B.

TROUBLESHOOTING OF TV SECTION

FLOW CHART NO.2-2



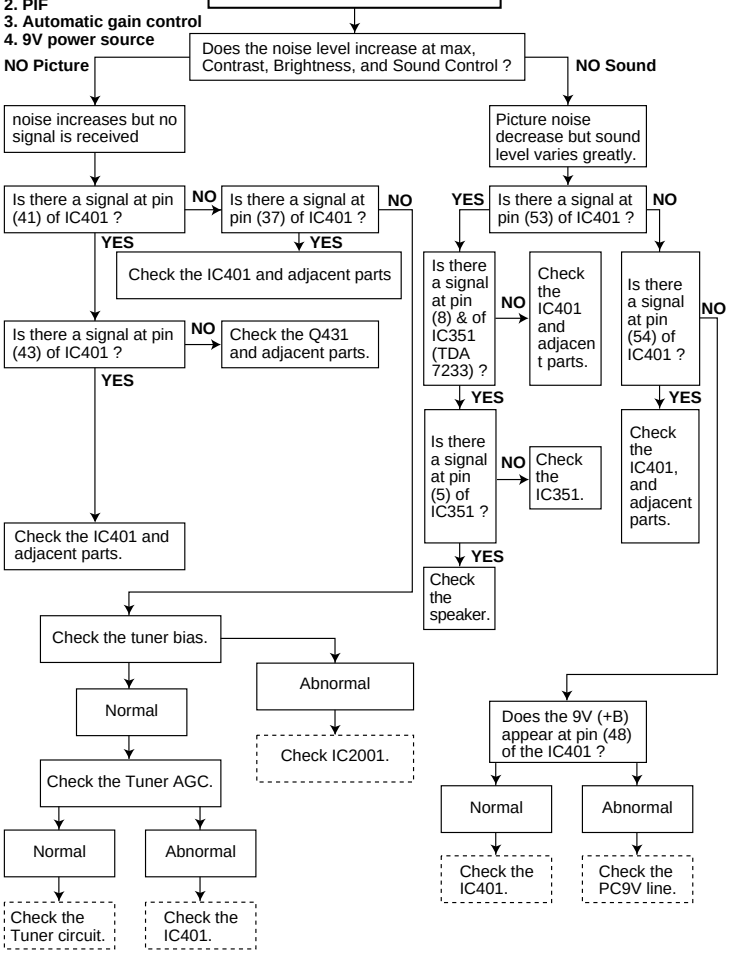
FLOW CHART NO.2-1


Set not operating
Is AC cord connected?
NO
Connect AC cord.
YES
Is 120V AC applied to line between (H) and (C) of P702 ?
NO
AC cord broken.
YES
Is 170V DC applied to C705?
NO
Check D701 thru D704, L701, R701 and F701.
YES
Is 16V DC applied to pin (4) of IC701 ?
NO
Check R708 and IC701.
YES
Does pulse waveform exist at line between (2) and (3) of IC701 ?
NO
Check IC701 and adjacent parts
YES
Check T701, and adjacent parts.

Circuit to be checked:
1. TUNER
2. PIF
3. Automatic gain control
4. 9V power source

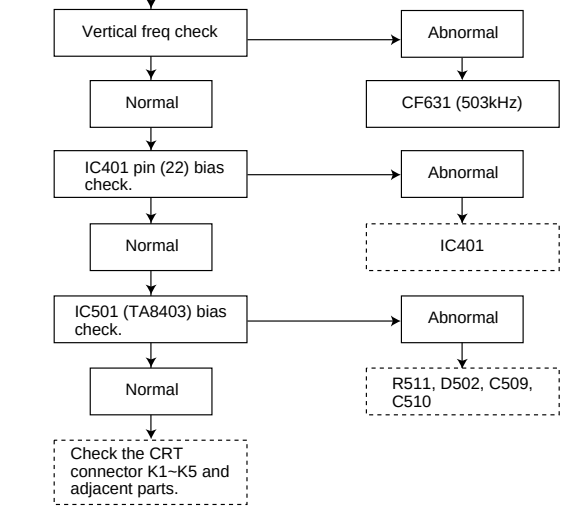
NO PICTURE, NO SOUND

FLOW CHART NO.2-3

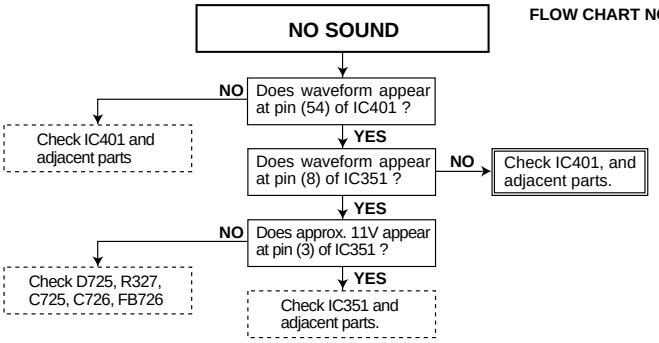

Does the noise level increase at max, Contrast, Brightness, and Sound Control ?
NO Picture
NO Sound
noise increases but no signal is received
Is there a signal at pin (41) of IC401 ?
NO
Is there a signal at pin (37) of IC401 ?
NO
YES
YES
Check the IC401 and adjacent parts
Is there a signal at pin (43) of IC401 ?
NO
Check the Q431 and adjacent parts.
YES
Check the IC401 and adjacent parts.
Check the tuner bias.
Abnormal
Check IC2001.
Normal
Check the Tuner AGC.
Normal
Abnormal
Check the Tuner circuit.
Check the IC401.
Picture noise decrease but sound level varies greatly.
YES
Is there a signal at pin (53) of IC401 ?
NO
Is there a signal at pin (8) & of IC351 (TDA 7233) ?
NO
Check the IC401 and adjacen t parts.
YES
Is there a signal at pin (5) of IC351 ?
NO
Check the IC351.
YES
Check the speaker.
Is there a signal at pin (54) of IC401 ?
NO
YES
Check the IC401, and adjacent parts.
Does the 9V (+B) appear at pin (48) of the IC401 ?
Normal
Abnormal
Check the IC401.
Check the PC9V line.

NO VERTICAL SCAN

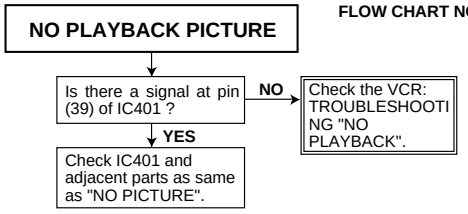
FLOW CHART NO.2-4



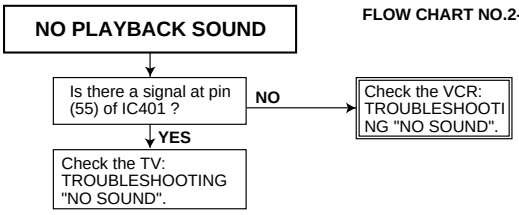
FLOW CHART NO.2-5


NO SOUND
Does waveform appear at pin (54) of IC401 ?
NO
Check IC401 and adjacent parts
YES
Does waveform appear at pin (8) of IC351 ?
NO
Check IC401, and adjacent parts.
YES
Does approx. 11V appear at pin (3) of IC351 ?
NO
Check D725, R327, C725, C726, FB726
YES
Check IC351 and adjacent parts.

FLOW CHART NO.2-6

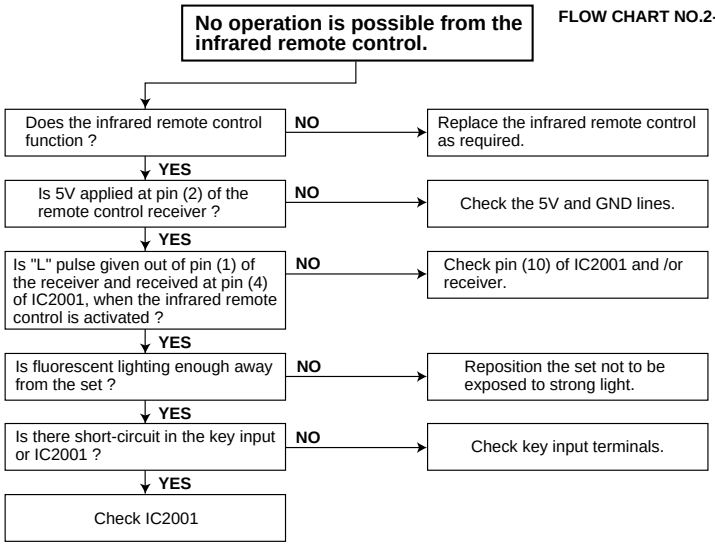

NO PLAYBACK PICTURE
Is there a signal at pin (39) of IC401 ?
NO
Check the VCR: TROUBLESHOOTING "NO PLAYBACK".
YES
Check IC401 and adjacent parts as same as "NO PICTURE".

FLOW CHART NO.2-7

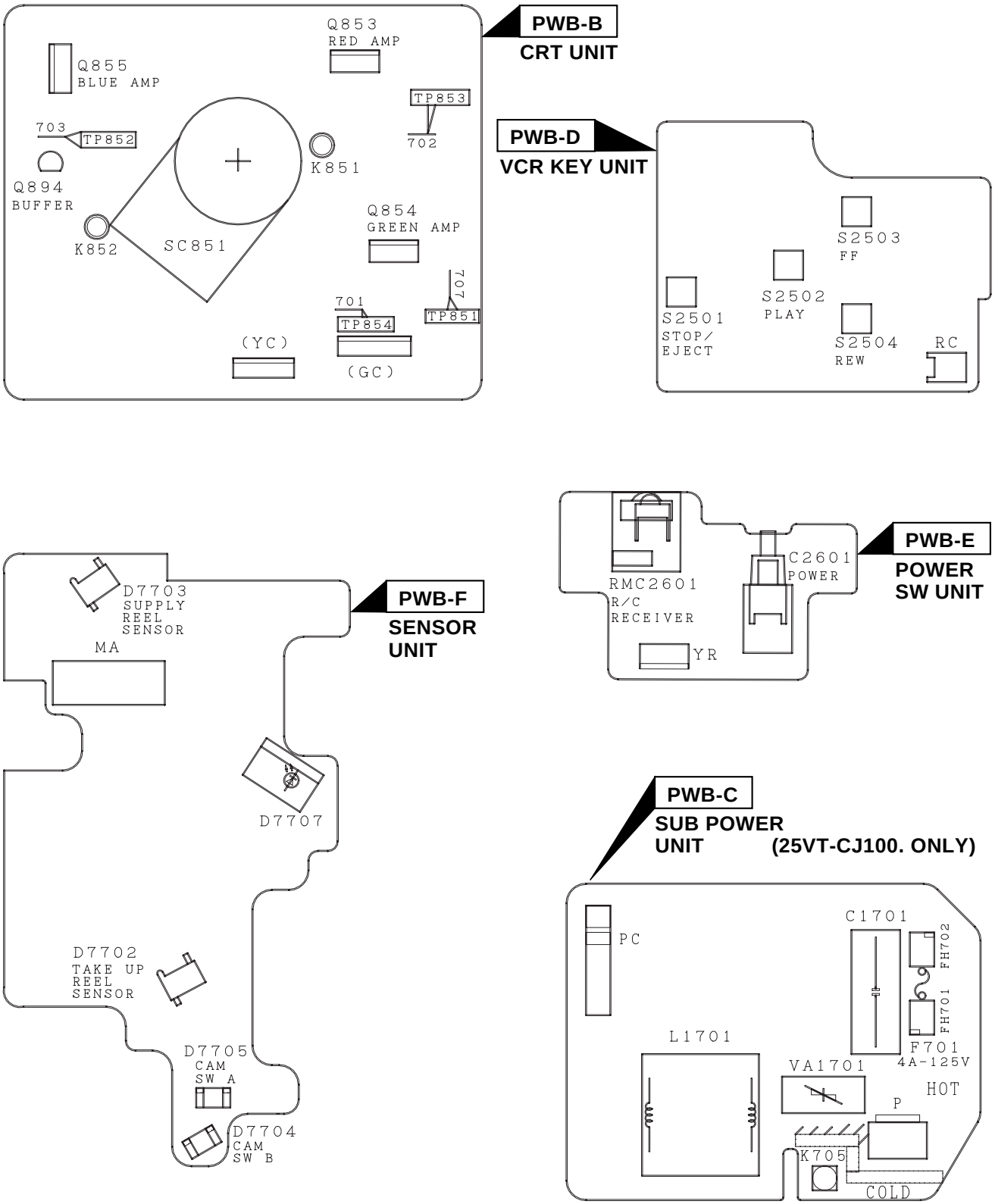

NO PLAYBACK SOUND
Is there a signal at pin (55) of IC401 ?
NO
Check the VCR: TROUBLESHOOTING "NO SOUND".
YES
Check the TV: TROUBLESHOOTING "NO SOUND".

INFRARED R/C TROUBLESHOOTING

FLOW CHART NO.2-8

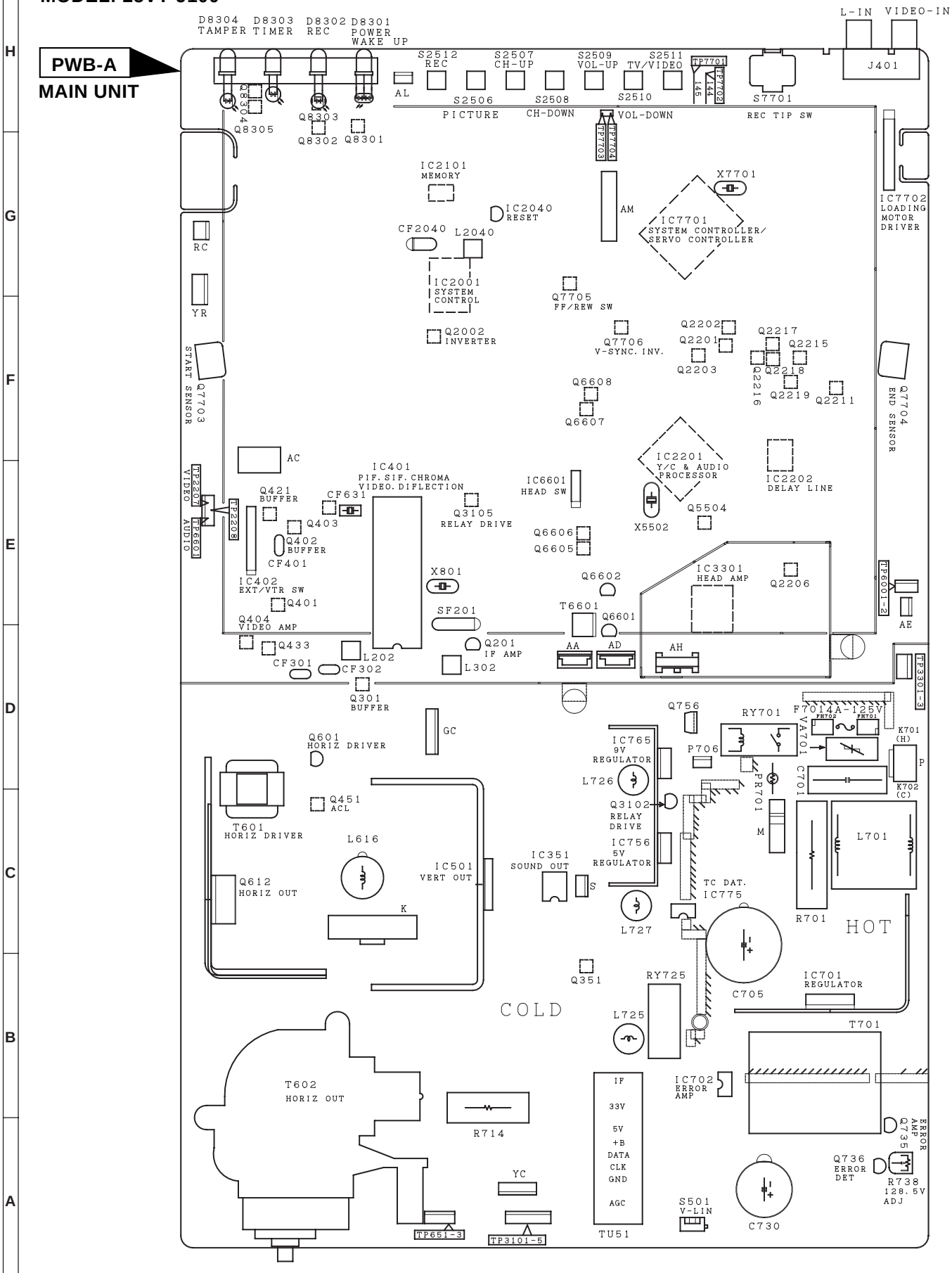

No operation is possible from the infrared remote control.
Does the infrared remote control function ?
NO
Replace the infrared remote control as required.
YES
Is 5V applied at pin (2) of the remote control receiver ?
NO
Check the 5V and GND lines.
YES
Is "L" pulse given out of pin (1) of the receiver and received at pin (4) of IC2001, when the infrared remote control is activated ?
NO
Check pin (10) of IC2001 and /or receiver.
YES
Is fluorescent lighting enough away from the set ?
NO
Reposition the set not to be exposed to strong light.
YES
Is there short-circuit in the key input or IC2001 ?
NO
Check key input terminals.
YES
Check IC2001

CHASSIS LAYOUT



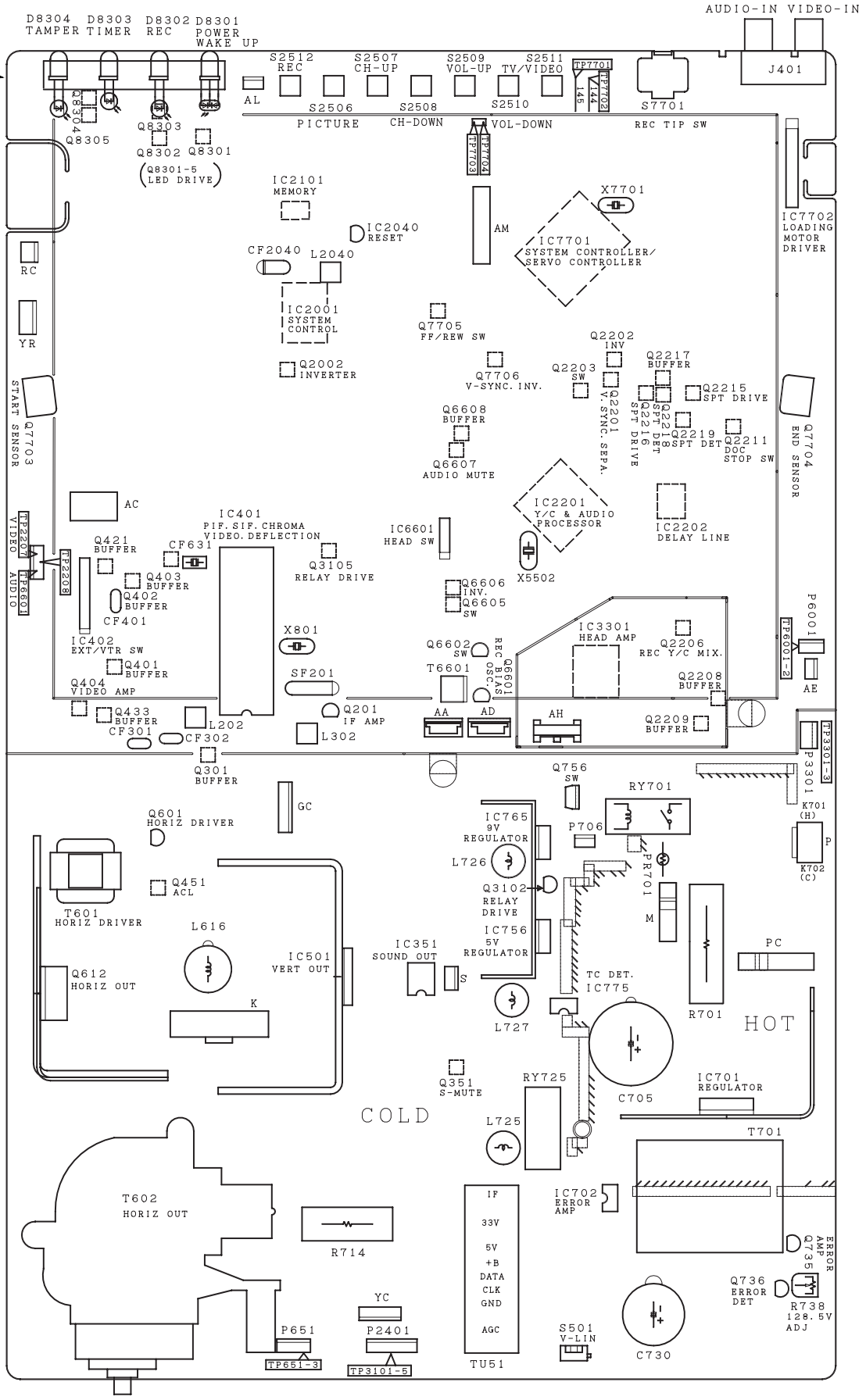
MODEL: 25VT-J100

PWB-A
MAIN UNIT

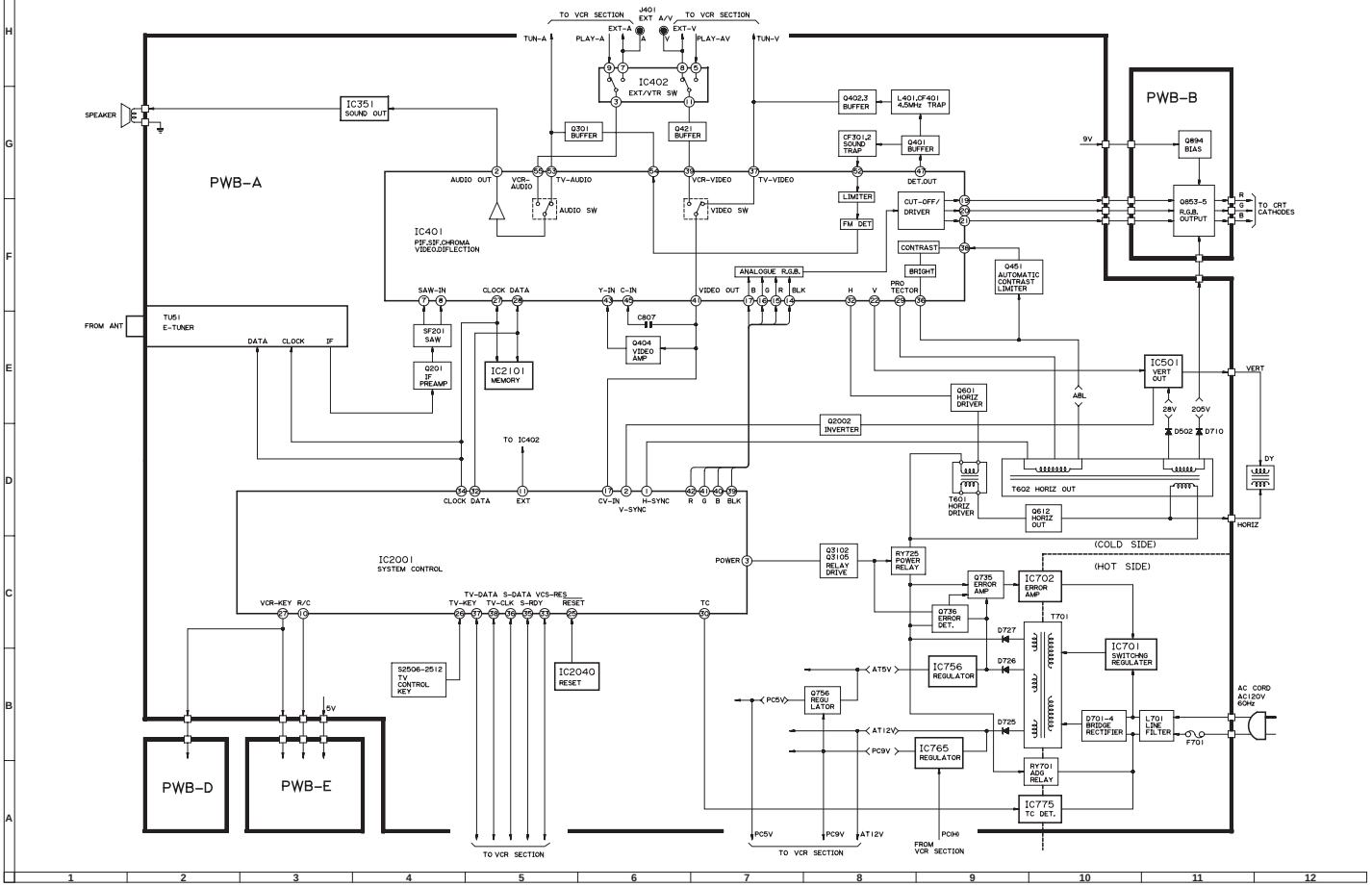


MODEL: 25VT-CJ10

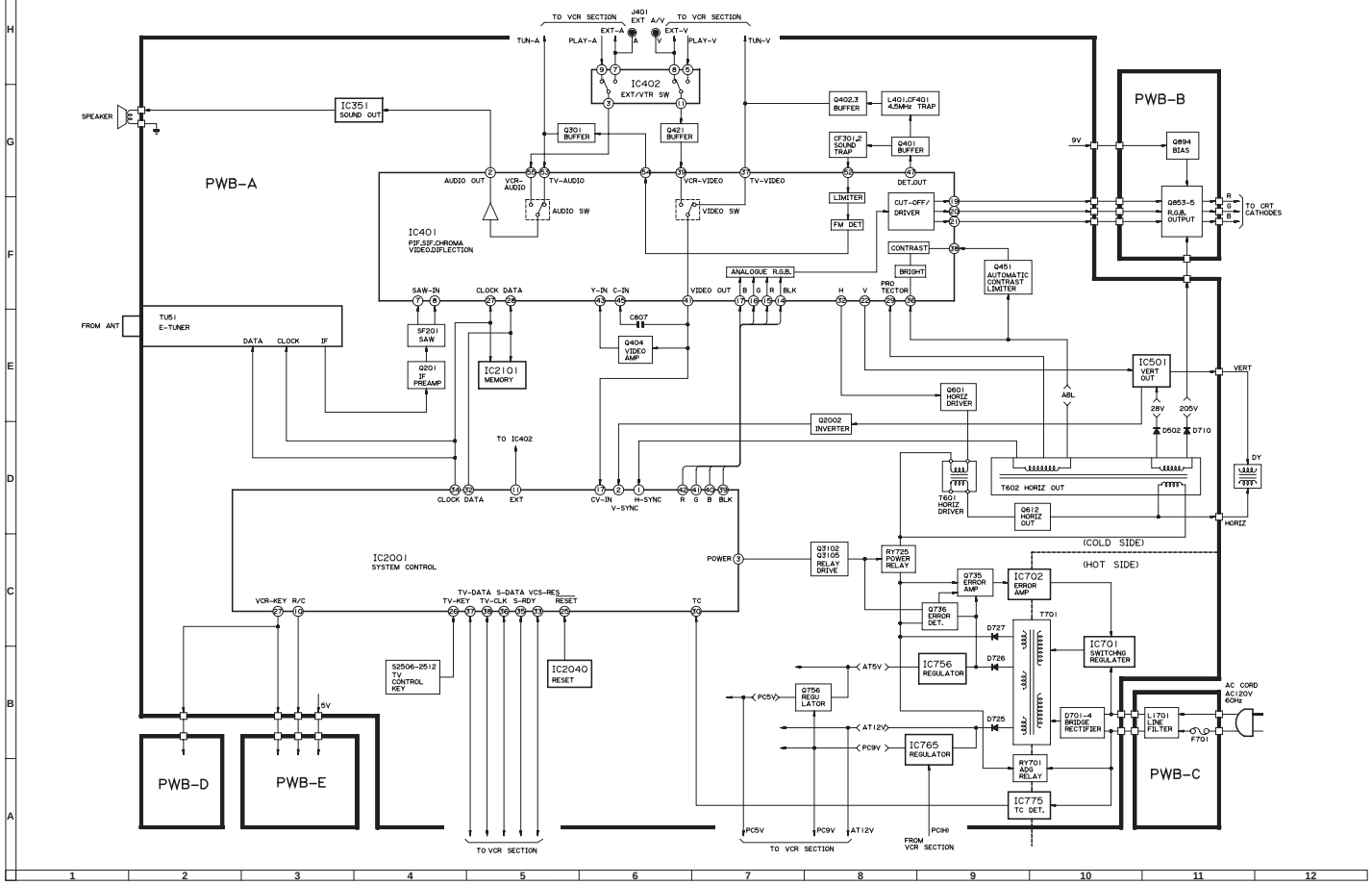
PWB-A
MAIN UNIT



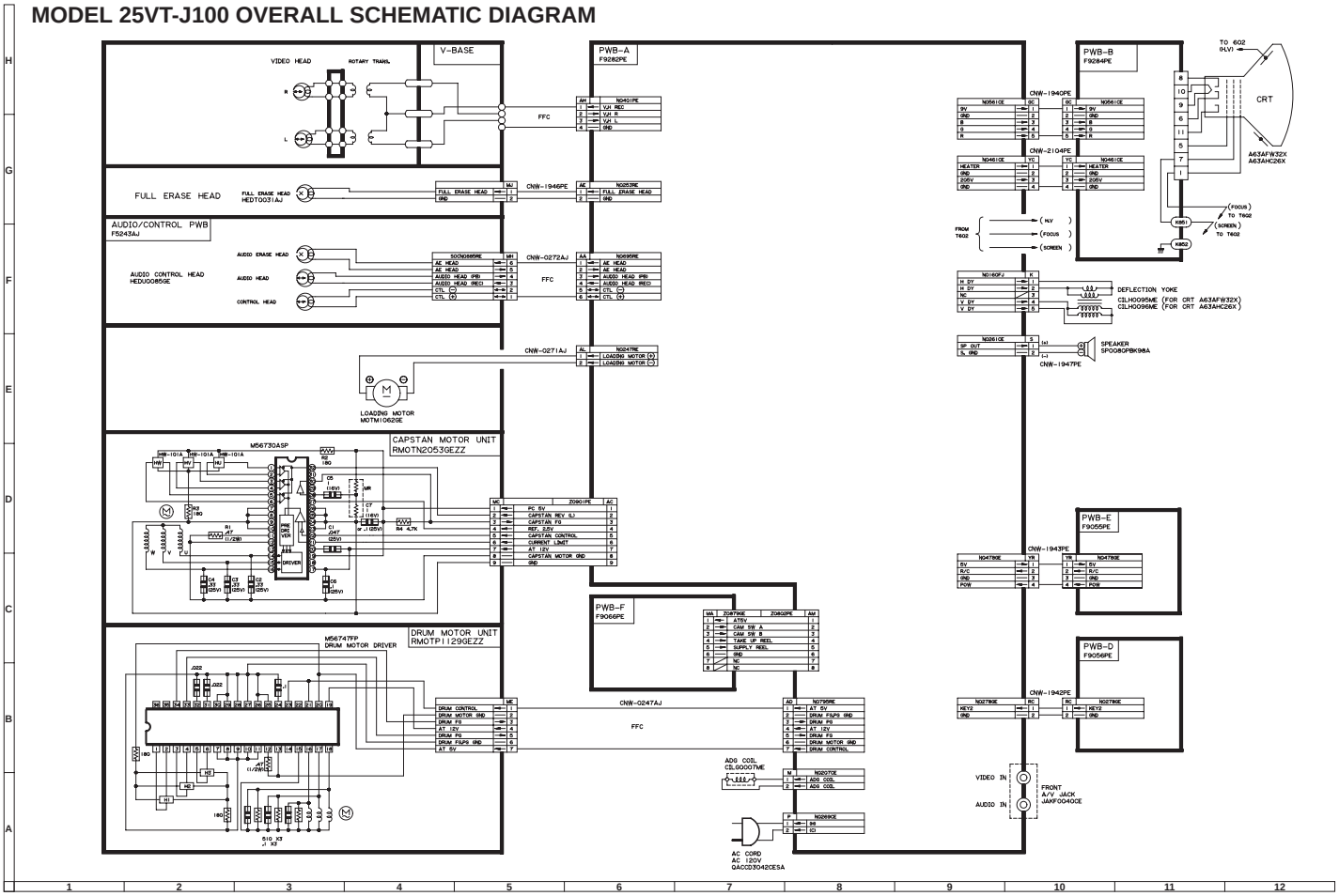
MODEL 25VT-J100 BLOCK DIAGRAM OF TV SECTION



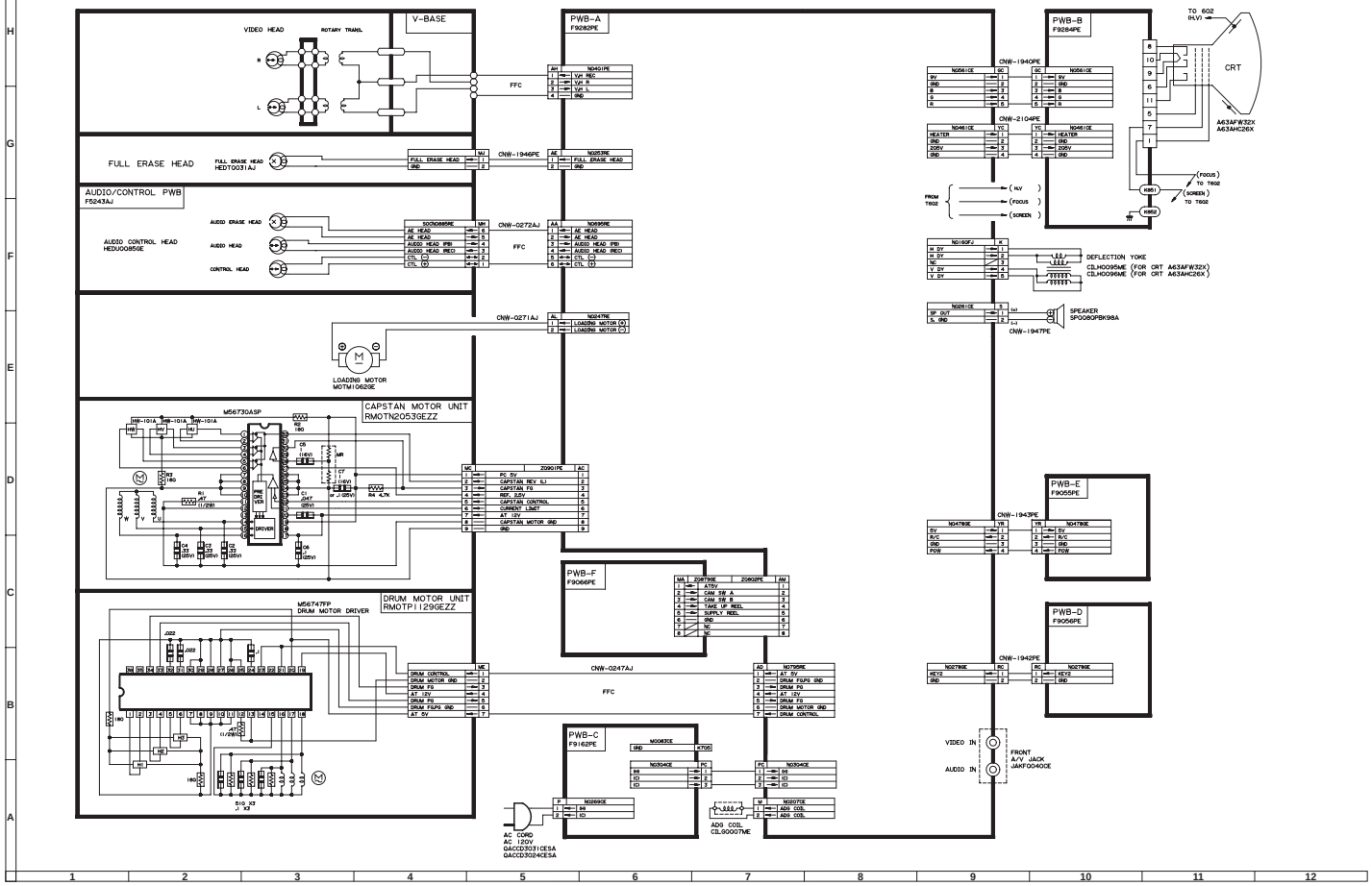
MODEL 25VT-CJ10 BLOCK DIAGRAM OF TV SECTION



MODEL 25VT-J100 OVERALL SCHEMATIC DIAGRAM



MODEL 25VT-CJ10 OVERALL SCHEMATIC DIAGRAM



DESCRIPTION OF SCHEMATIC DIAGRAM

NOTES:
1. *The unit of resistance "ohm" is omitted (K:1000 ohms, M:1 Meg ohm).*
2. *All resistors are 1/8 watt, unless otherwise noted.*
3. *All capacitors are μF, unless otherwise noted P: μμF.*
4. *(G) indicates ±2% tolerance may be used.*

VOLTAGE MEASUREMENT CONDITIONS:
1. *All DC voltages are measured with DVM connected between points indicated and chassis ground, line voltage set at 120V AC and all controls set for normal picture unless otherwise indicated.*
2. *All voltages measured with 1000μV B&W or Color signal.*

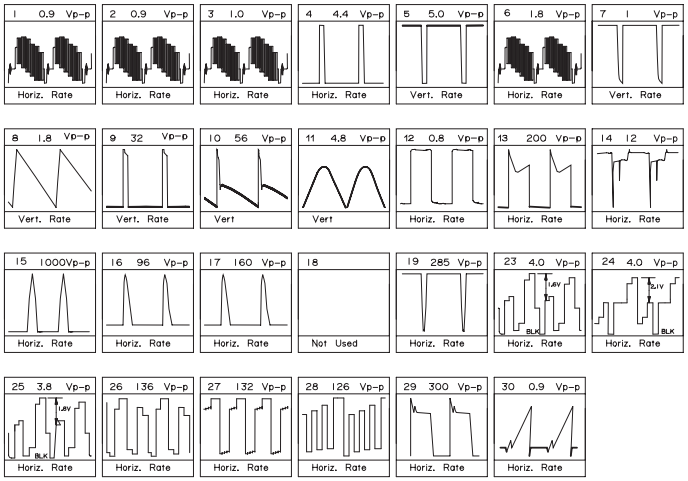
WAVEFORM MEASUREMENT CONDITIONS:
1. *Photographs taken on a standard gated color bar signal, the tint setting adjusted for proper color. The wave shapes at the red, green and blue cathodes of the picture tube depend on the tint, color level and picture control.*
2. *indicates waveform check points (See chart, waveforms are measured from point indicated to chassis ground.)*

⚠ *AND SHADED ( ) COMPONENTS = SAFETY RELATED PARTS.*
▲ *MARK= X-RAY RELATED PARTS.*

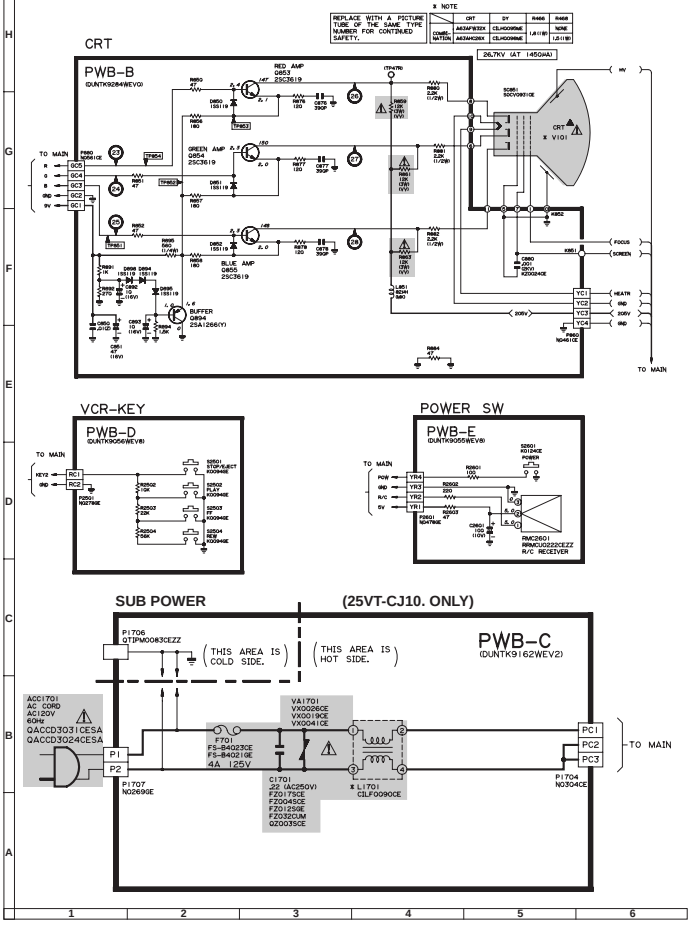
DRGANNES MARQUES-ET HACHRES ( ): PIECES RELATIVES A LA SECURITE.
MARQUE ▲ : PIECS RELATIVE AUX RAYONS X.

This circuit diagram is a standard one, printed circuits may be subject to change for product improvement without prior notice.

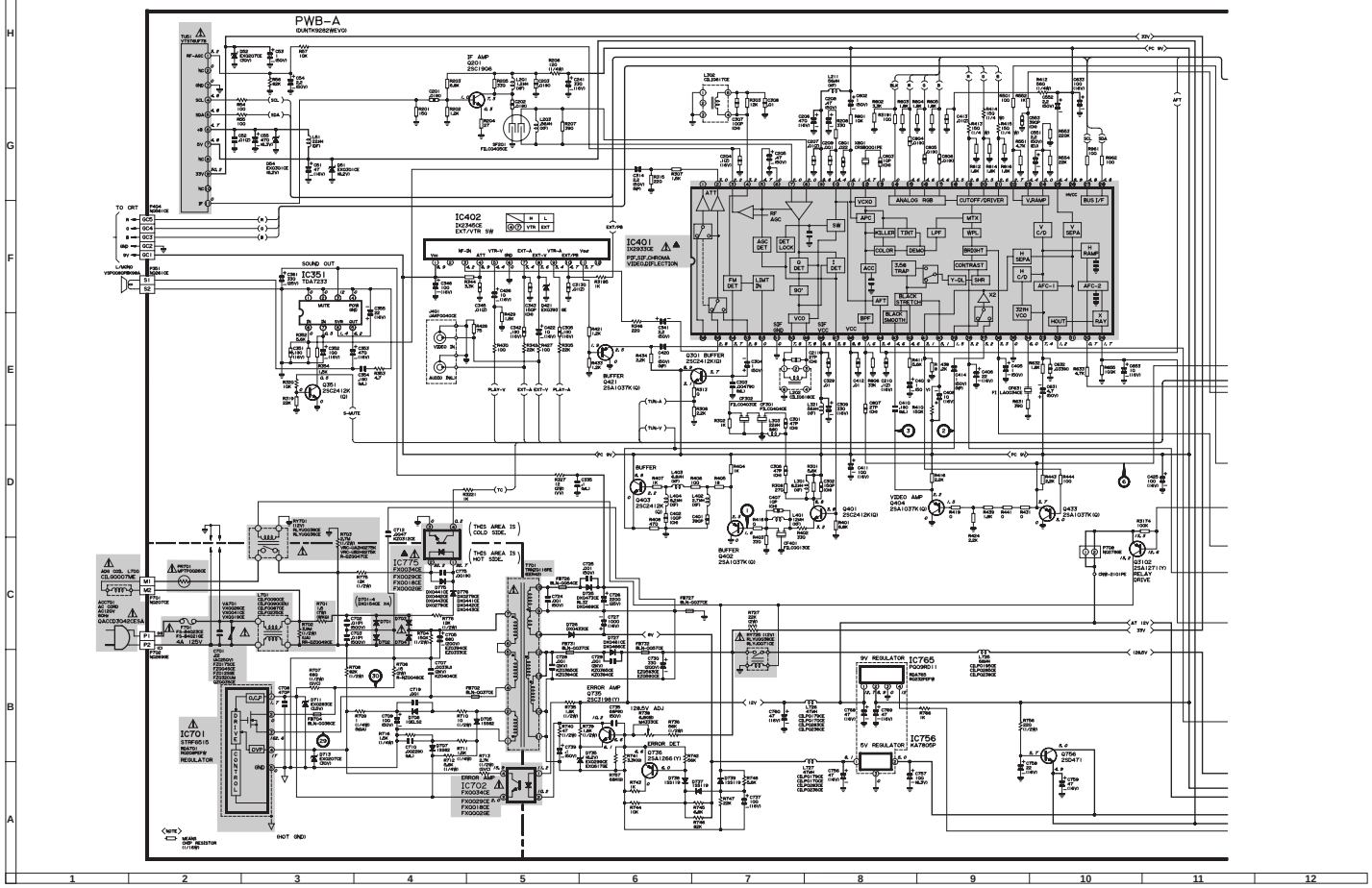
WAVE FORMS



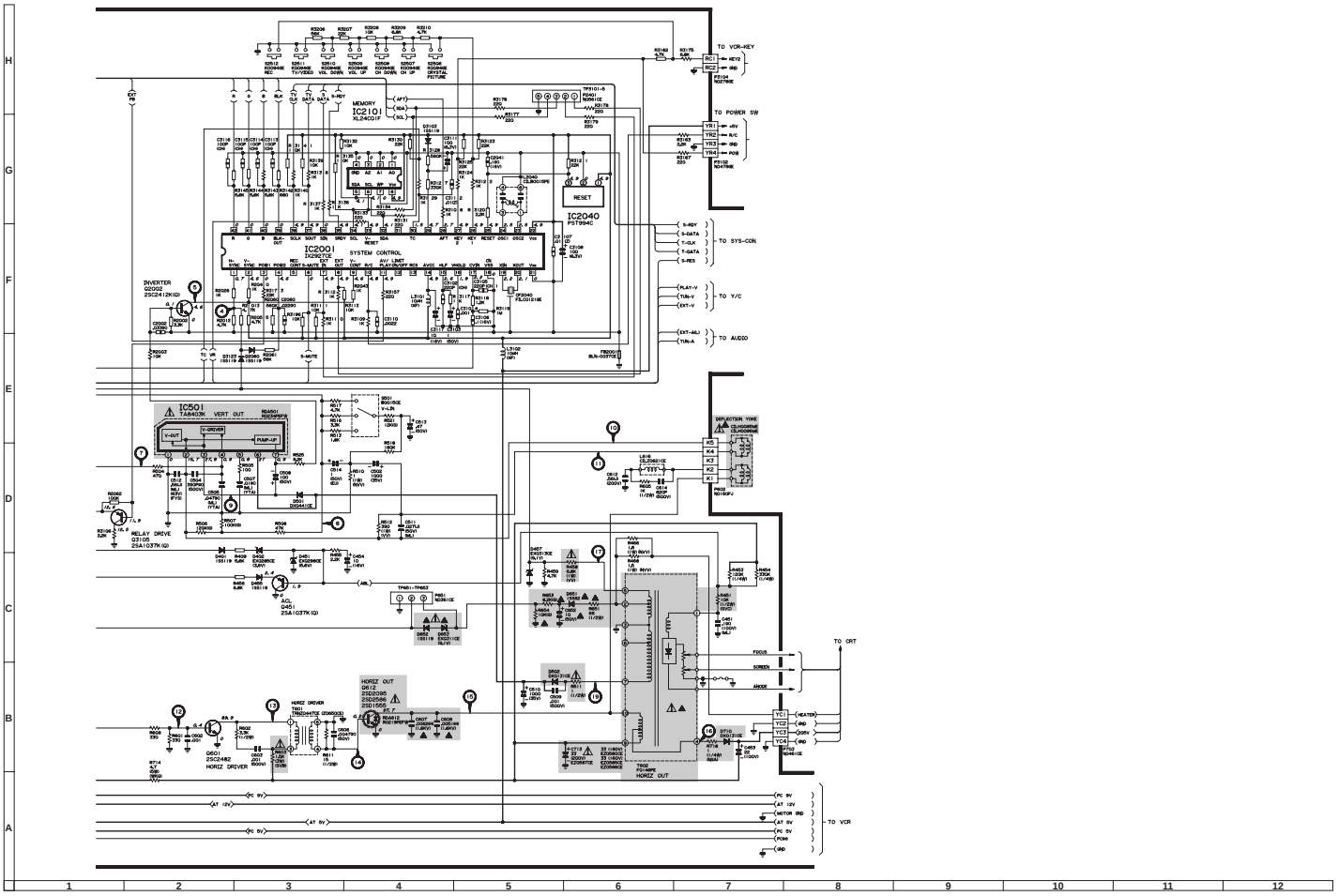
SCHEMATIC DIAGRAM : VCR KEY, POWER SW, CRT, SUB POWER Unit



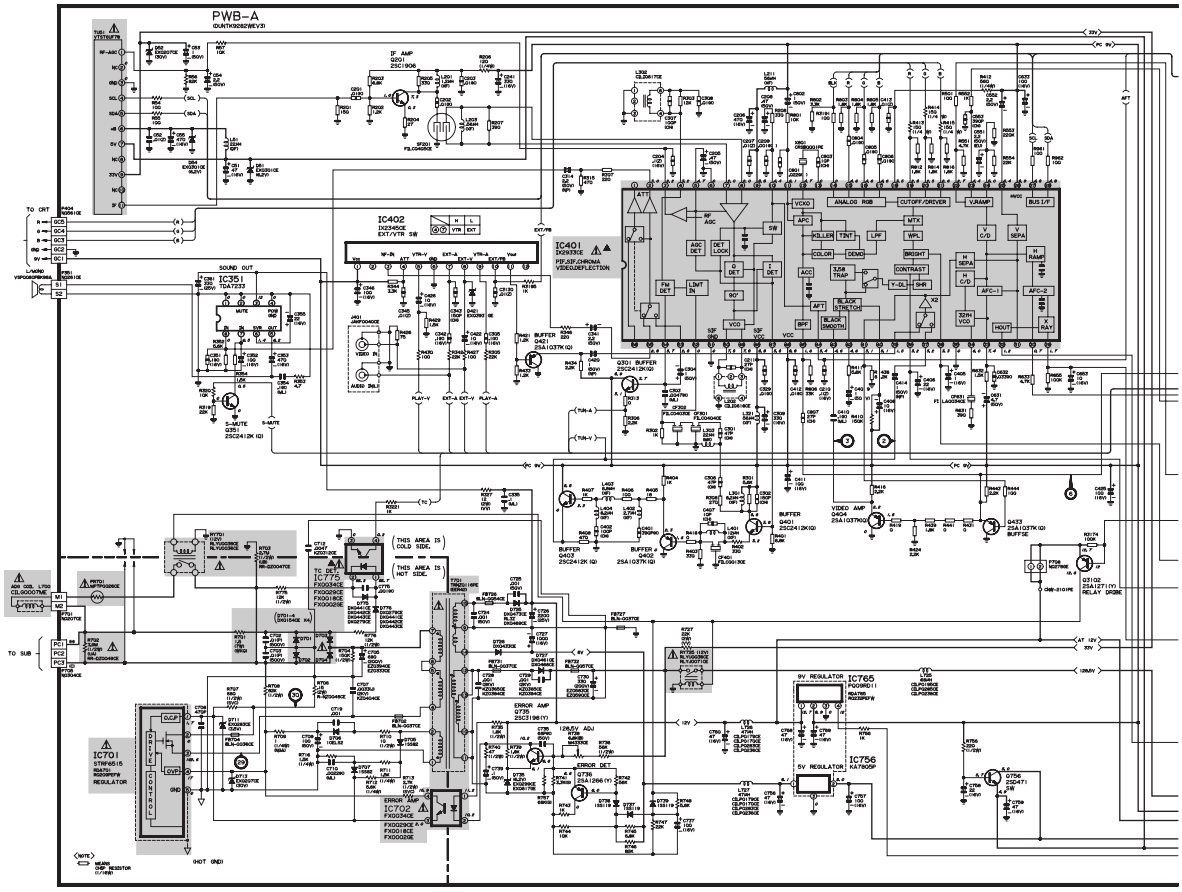
MODEL 25VT-J100 SCHEMATIC DIAGRAM : MAIN Unit (TV Section)



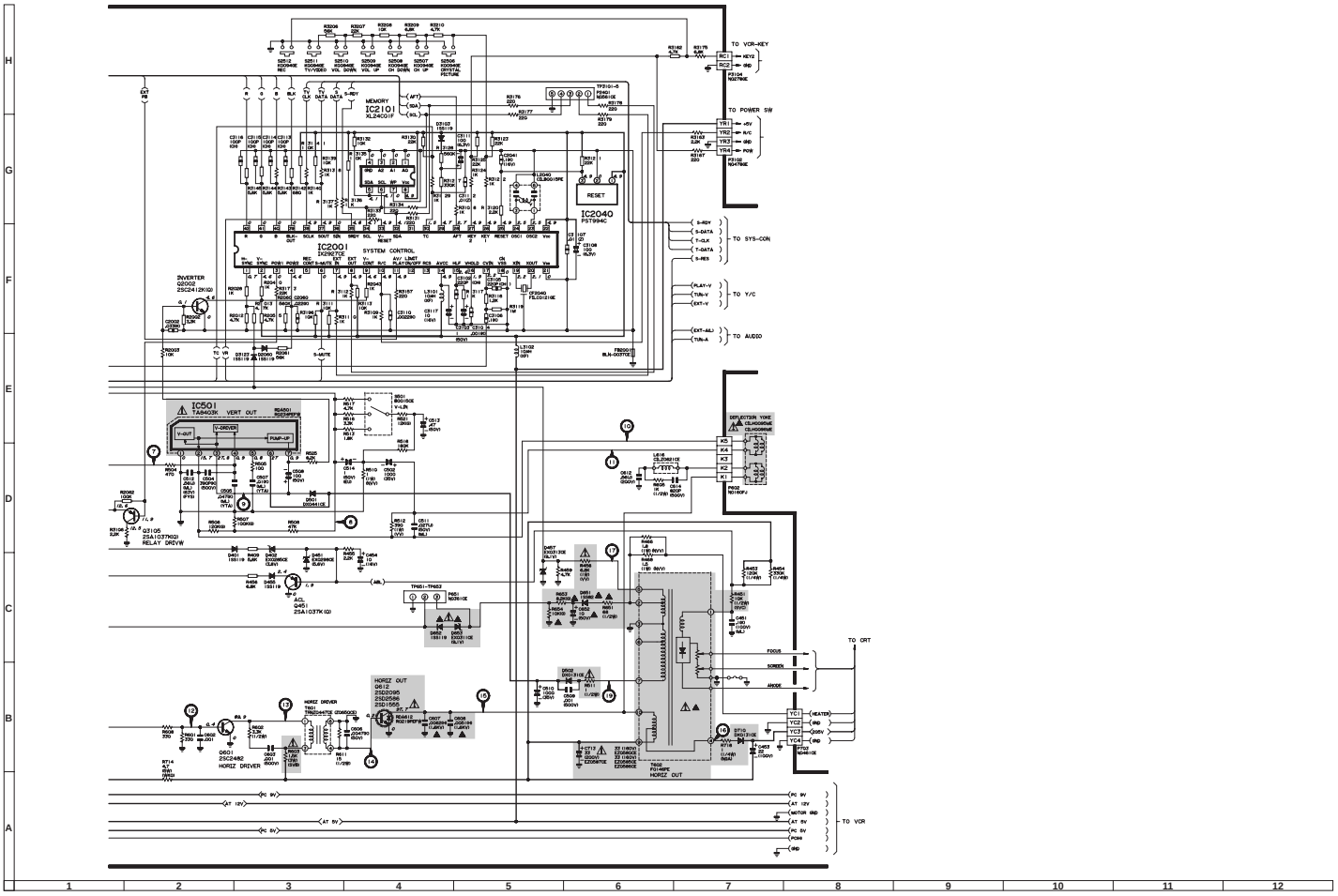
25VT-J100	25VT-J100
25VT-CJ10	25VT-CJ10



MODEL 25VT-CJ10 SCHEMATIC DIAGRAM : MAIN Unit (TV Section)

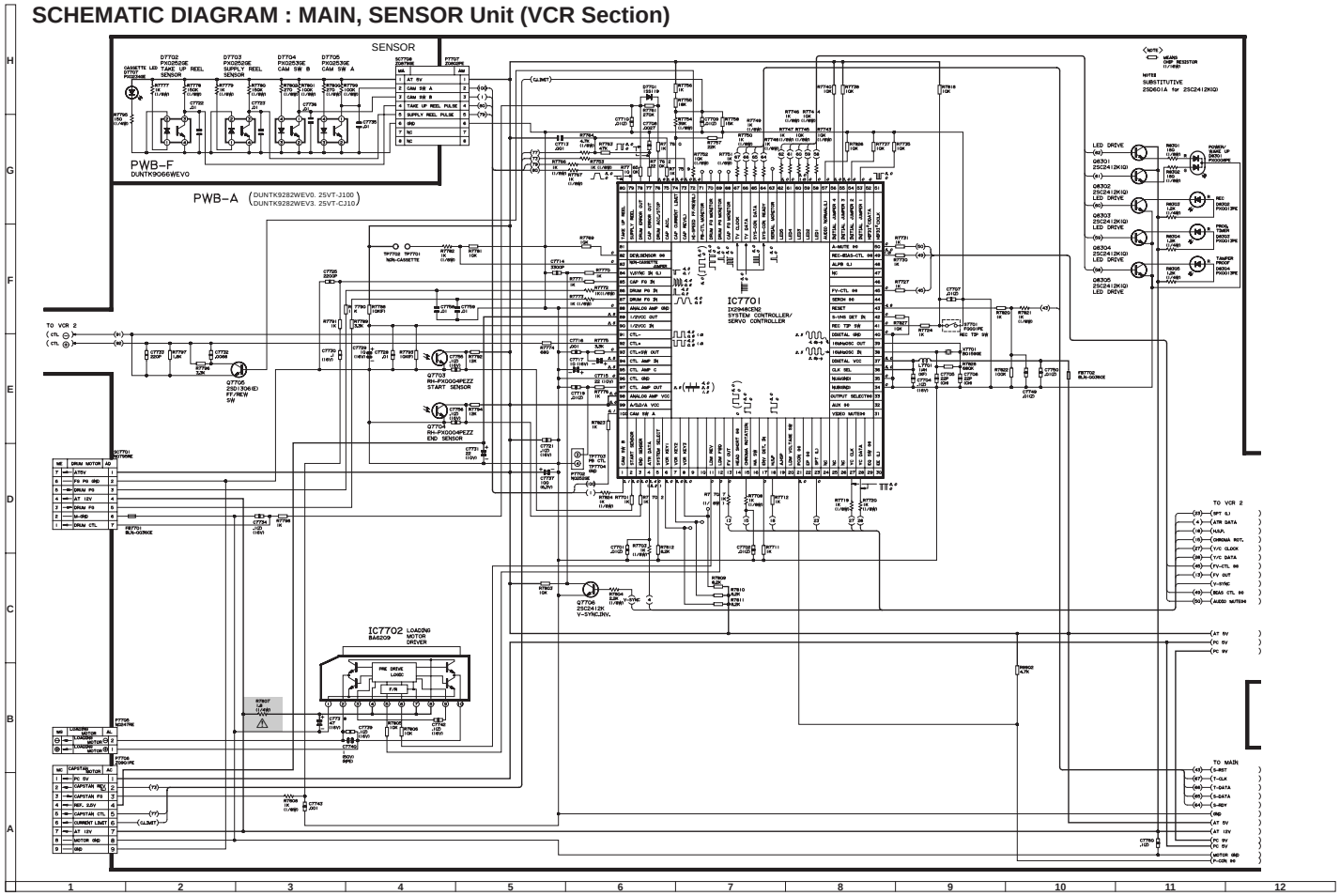


25VT-J100 25VT-CJ10	25VT-J100 25VT-CJ10



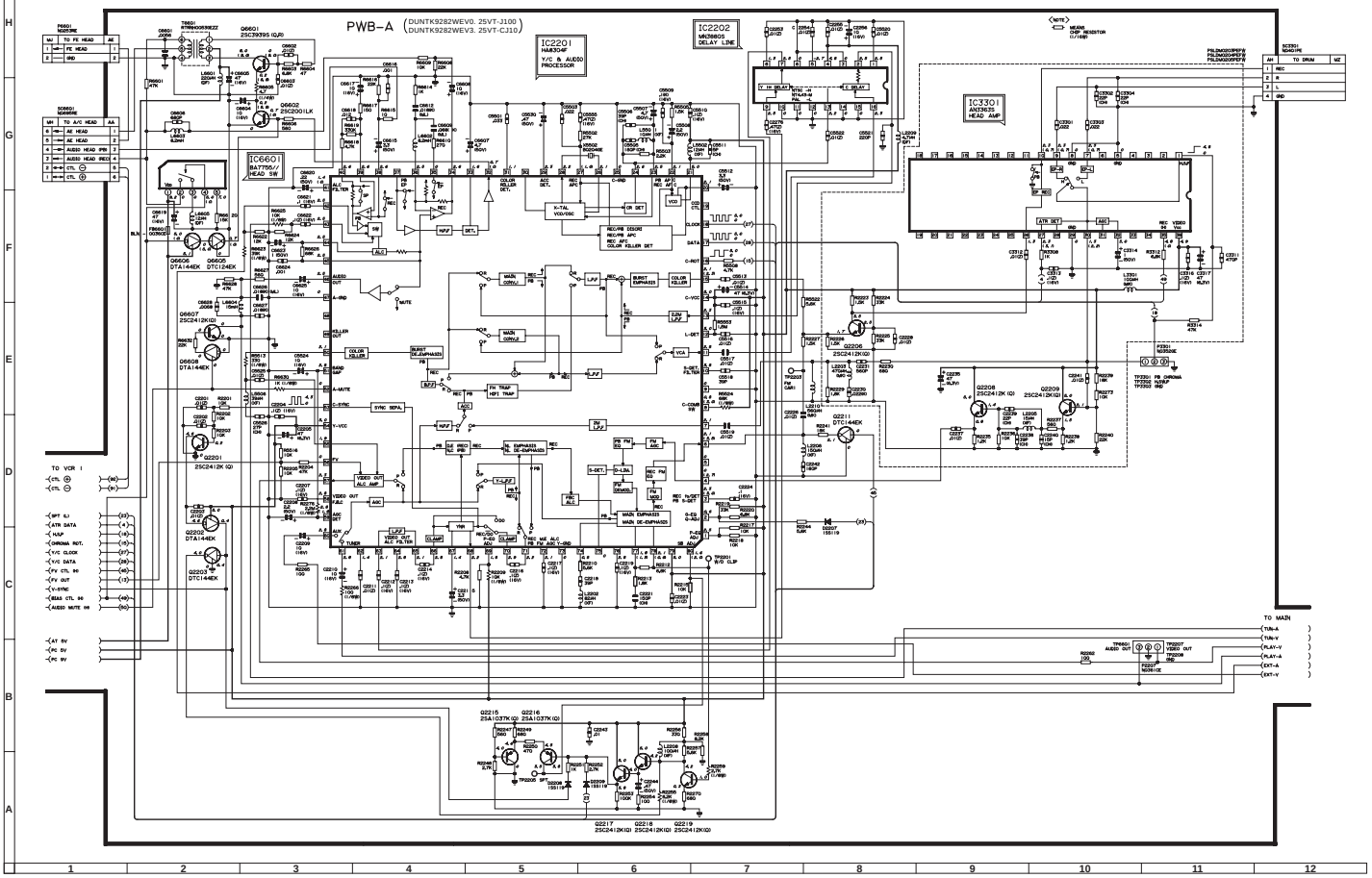
25VT-J100 25VT-CJ10	25VT-J100 25VT-CJ10

SCHEMATIC DIAGRAM : MAIN, SENSOR Unit (VCR Section)

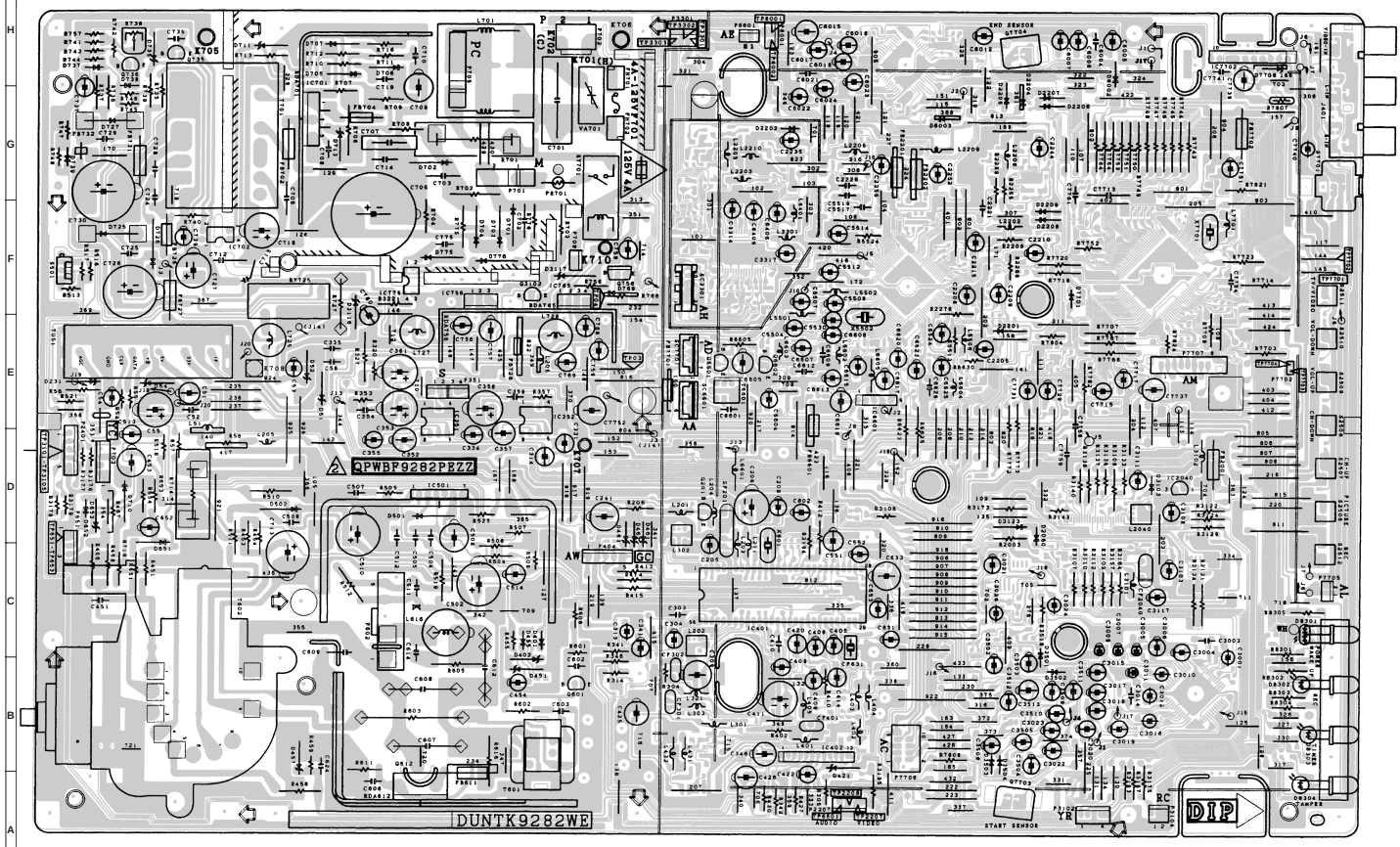


25VT-J100	25VT-J100
25VT-CJ10	25VT-CJ10

SCHEMATIC DIAGRAM : MAIN Unit (VCR Section)

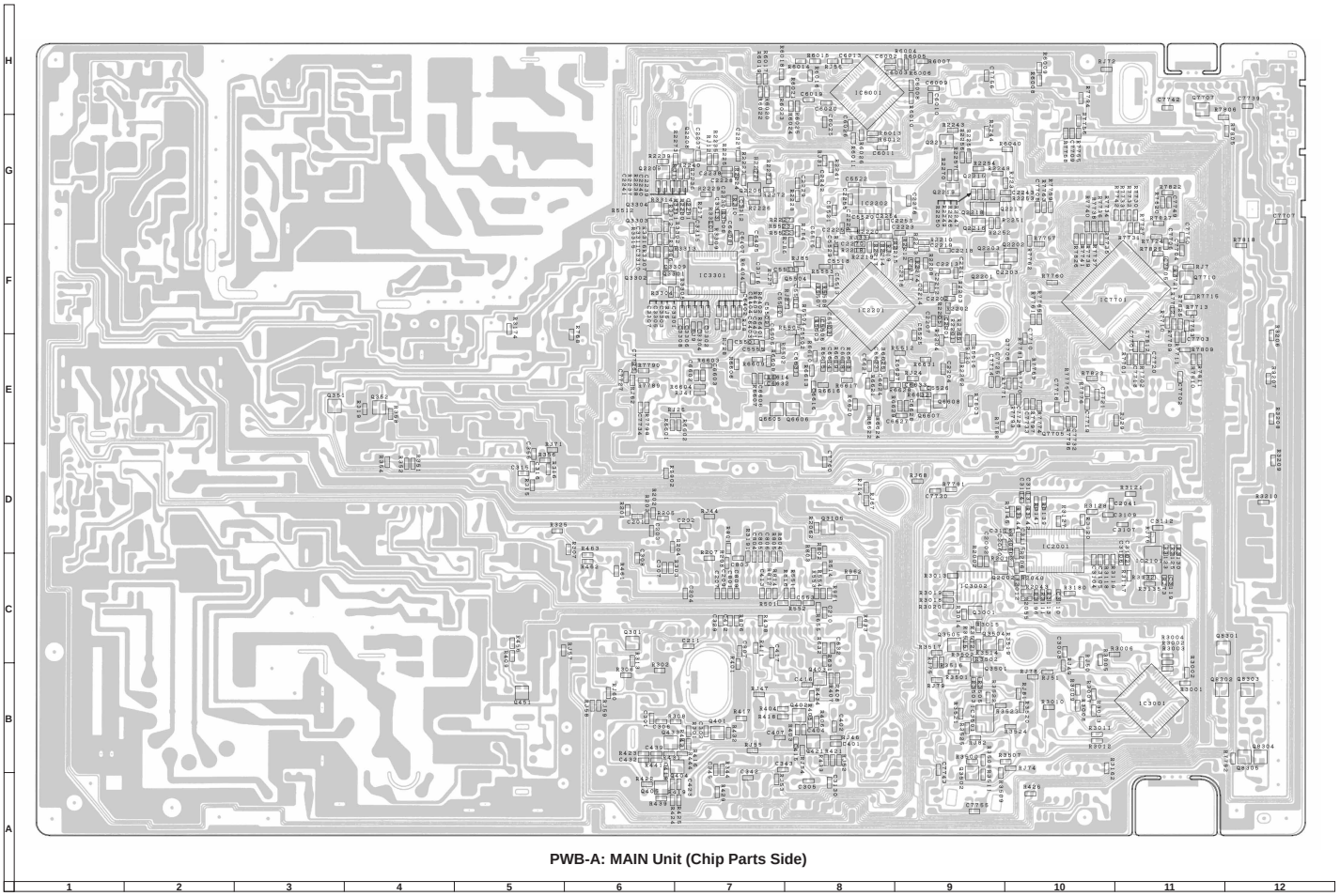


PRINTED WIRING BOARD ASSEMBLIES



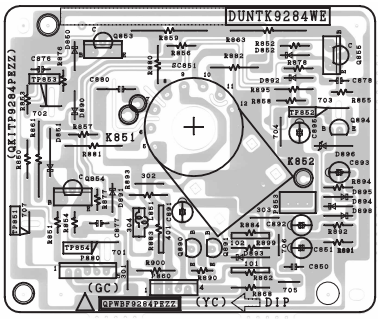
PWB-A: MAIN Unit (Wiring Side)

25VT-J100 25VT-CJ10	25VT-J100 25VT-CJ10

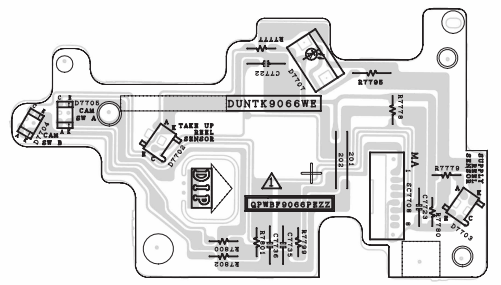


PWB-A: MAIN Unit (Chip Parts Side)

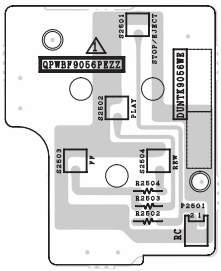
25VT-J100 25VT-CJ10	25VT-J100 25VT-CJ10



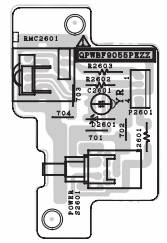
PWB-B: CRT Unit (Wiring Side)



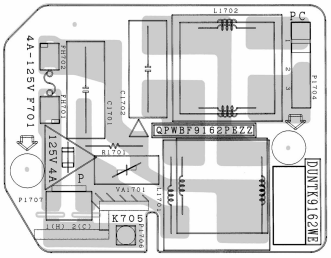
PWB-F: SENSOR Unit (Wiring Side)



PWB-D: VCR KEY Unit (Wiring Side Side)



PWB-E: POWER SW Unit (Wiring Side)



PWB-C: SUB POWER Unit (Wiring Side)
(25VT-CJ10. ONLY)

PARTS LIST

PARTS REPLACEMENT

Replacement parts which have these special safety characteristics identified in this manual ; electrical components having such features are identified by ⚠ and shaded areas in the Replacement Parts Lists and Schematic Diagrams. The use of a substitute replacement part which dose no have the same safety characteristic as the factory recommended replacement parts shown in this service manual may create shock, fire or other hazards.

"HOW TO ORDER REPLACEMENT PARTS"

To have your order filled promptly and correctly, please furnish the following informations.

1. MODEL NUMBER
2. REF. NO.
3. PART NO.
4. DESCRIPTION

in **USA**: Contact your nearest SHARP Parts Distributor to order. For location of SHARP Parts Distributor, Please call Toll-Free; 1-800-BE-SHARP

★ MARK: SPARE PARTS-DELIVERY SECTION

▲ MARK: X-RAY RELATED PARTS

Ref. No.	Part No.	★	Description	Code

PICTURE TUBE

▲⚠ V101	VB63AFW32X/*S	M	Picture Tube	CK
	or			
	VB63AHC26X/*S			
⚠ L700	RCiLG0007MEZZ	M	Degaussing Coil	AN
▲⚠	RCiLH0095MEZZ	M	Deflection Yoke	BB
	or			
	RCiLH0096MEZZ	M		BB

	CRT	DY	R466	R468
COMBI-NATION	A63AFW32X	CILH0095ME	1.8 (1W)	NONE
	A63AHC26X	CILH0096ME		1.5 (1W)

— End of PICTURE TUBE —

PRINTED WIRING BOARD ASSEMBLIES
(NOT REPLACEMENT ITEM)

PWB-A	DUNTK9282WEV0	–	Main Unit (25VT-J100)	—
PWB-A	DUNTK9282WEV3	–	Main Unit (25VT-CJ10)	—
PWB-B	DUNTK9284WEV0	–	CRT Unit	—
PWB-C	DUNTK9162WEV2	–	SUB Power Unit (25VT-CJ10)	—
PWB-D	DUNTK9056WEV8	–	VCR Key Unit	—
PWB-E	DUNTK9055WEV8	–	Power SW Unit	—
PWB-F	DUNTK9066WEV0	–	Sensor Unit	—

— End of PRINTED WIRING BOARD ASSEMBLIES —

LISTE DES PIECES

CHANGE DES PIECES

Les pi`eces de rechange qui pr élelesentent ces caract éleristiques sp éleciales de s élecurit éle, sont identifi élees dans ce manuel : les pi`eces élelectriques qui pr élesentent ces particularit éles, sont rep éler élee par la marque ⚠ et sont hachur élees dans les listes de pi`eces et dans les diagrammes sch élematiques.
La substitution d'une pi`ece de rechange par une autre qui ne pr éLesente pas les m éoemes caract éLeristiques de s élecurit éle que la pi`ece recommand élee parl'usine et dans ce manuel de service, peut provoquer une éLelectrocution, un incendie ou toutautre sinistre.

"COMMENT COMMANDER LES PIECES DE RECHANGE"

Pour que votre commande soit rapidement et correctement remplie, veuillez fournir les renseignements suivants.

1. NUMERO DU MODELE
2. NO. DE REF
3. NO. DE PIECE
4. DESCRIPTION

in **CANADA**: Contact SHARP Electronics of Canada Limited Phone (416) 890-2100

★ MARQUE: SECTION LIVRAISON DES PIECES DERECHANGE

▲ MARQUE: PIECES RELATIVE AUX RAYONS X

Ref. No.	Part No.	★	Description	Code

PWB-A DUNTK9282WEV0/V3
MAIN UNIT

TUNER

NOTE: THE PARTS HERES SHOWN ARE SUPPLIED AS AN ASSEMBLY NOT INDEPENEDTLY.

⚠ TU51	VTUVTST6UF78/	J	Tuner	BD

INTEGRATED CIRCUITS

IC351	VHiTDA7233/-1	J	TDA7233	AF
▲⚠ IC401	RH-iX2933CEZZ	J	TA1268N	AX
IC402	RH-iX2345CEZZ	J	TA8822SN	AG
⚠ IC501	VHiTA8403K/-1	J	TA8403K	AL
⚠ IC701	VHiSTRF65152E	J	STR-F6515	AV
IC2001	RH-iX2927CEN2	J	I.C.	AY
IC2040	VHiPST994C/-1	J	PST994C	AD
IC2101	VHiXL24C01F-1	J	Xl24C01AT	AH
IC2201	VHiHA8304F/-1	J	HA118304F	AV
IC2202	VHiMN3880S/-1	J	MN3880S-T1	AK
IC3301	VHiAN3363S/-1	J	AN3363SB	AH
IC6601	VHiBA7755//-1	J	BA7755	AD
IC7701	RH-iX2948CEN2	J	M37776M5A135GP	BA
IC7702	VHiBA6209//1E	J	BA6209-V3	AG

TRANSISTORS

Q201	VS2SC1906//1E	J	2SC1906	AC
Q301	VS2SC2412KQ-1	J	2SC2412	AA
Q351	VS2SC2412KQ-1	J	2SC2412	AA
Q401	VS2SC2412KQ-1	J	2SC2412	AA
Q402	VS2SA1037KQ-1	J	2SA1037	AA
Q403	VS2SC2412KQ-1	J	2SC2412	AA
Q404	VS2SA1037KQ-1	J	2SA1037	AA
Q421	VS2SA1037KQ-1	J	2SA1037	AA
Q433	VS2SA1037KQ-1	J	2SA1037	AA

PWB-A DUNTK9282WEV0/V3

MAIN UNIT (Continued)

Ref. No.	Part No.	★	Description	Code
Q451	VS2SA1037KQ-1	J	2SA1037	AA
Q601	VS2SC2482//-1	J	2SC2482	AD
⚠ Q612	VS2SD2095//1E	J	2SD2095	AN
Q735	VS2SC3198-Y-1	J	2SC3198(Y)	AA
Q736	VS2SA1266-Y-1	J	2SA1266(Y)	AA
Q756	VS2SD471-KL1E	J	2SD471	AC
Q2002	VS2SC2412KQ-1	J	2SC2412	AA
Q2201	VS2SC2412KQ-1	J	2SC2412	AA
Q2202	VSDTA144EK/-1	J	DTA144	AC
Q2203	VSDTC144EK/-1	J	DTC144	AB
Q2206	VS2SC2412KQ-1	J	2SC2412	AA
Q2208	VS2SC2412KQ-1	J	2SC2412	AA
Q2209	VS2SC2412KQ-1	J	2SC2412	AA
Q2211	VSDTC144EK/-1	J	DTC144	AB
Q2215	VS2SA1037KQ-1	J	2SA1037	AA
Q2216	VS2SA1037KQ-1	J	2SA1037	AA
Q2217	VS2SC2412KQ-1	J	2SC2412	AA
Q2218	VS2SC2412KQ-1	J	2SC2412	AA
Q2219	VS2SC2412KQ-1	J	2SC2412	AA
Q3102	VS2SA1271-Y-1	J	2SA1271	AB
Q3105	VS2SA1037KQ-1	J	2SA1037	AA
Q6601	VS2C3939SQR-1	J	2C3939	AC
Q6602	VS2SC2001LK-1	J	2SC2001	AA
Q6605	VSDTC124EK/-1	J	DTC124	AB
Q6606	VSDTA144EK/-1	J	DTA144	AC
Q6607	VS2SC2412KQ-1	J	2SC2412	AA
Q6608	VSDTA144EK/-1	J	DTA144	AC
Q7705	VS2SD1306-E1E	J	2SD1306	AD
Q7706	VS2SC2412KQ-1	J	2SC2412	AA
Q8301	VS2SC2412KQ-1	J	2SC2412	AA
Q8302	VS2SC2412KQ-1	J	2SC2412	AA
Q8303	VS2SC2412KQ-1	J	2SC2412	AA
Q8304	VS2SC2412KQ-1	J	2SC2412	AA
Q8305	VS2SC2412KQ-1	J	2SC2412	AA

DIODES

D51	RH-EX0301CEZZ	J	Zener Diode	AA
D52	RH-EX0207CEZZ	J	Zener Diode	AA
D54	RH-EX0301CEZZ	J	Zener Diode	AA
D401	VHD1SS119//-1	J	Diode	AB
D402	RH-EX0285CEZZ	J	Zener Diode	AB
D421	RH-EX0393GEZZ	J	Zener Diode	AB
D451	RH-EX0298CEZZ	J	Zener Diode	AA
D455	VHD1SS119//-1	J	Diode	AB
D457	RH-EX0313CEZZ	J	Zener Diode	AA
D501	RH-DX0441CEZZ	J	Diode	AC
⚠ D502	RH-DX0131CEZZ	J	Diode	AC
▲⚠ D651	VHD1SS82///1A	J	Diode	AC
▲⚠ D652	VHD1SS119//-1	J	Diode	AB
▲⚠ D653	RH-EX0311CEZZ	J	Zener Diode	AA
⚠ D701	RH-DX0154CEZZ	J	Diode	AC
⚠ D702	RH-DX0154CEZZ	J	Diode	AC
⚠ D703	RH-DX0154CEZZ	J	Diode	AC
⚠ D704	RH-DX0154CEZZ	J	Diode	AC
D705	VHD1SS82///1A	J	Diode	AC
D706	VHD10ELS2//-1	J	Diode	AC
D707	VHD1SS82///1A	J	Diode	AC
⚠ D710	RH-DX0131CEZZ	J	Diode	AC
D711	RH-EX0283CEZZ	J	Zener Diode	AA
D713	RH-EX0207CEZZ	J	Zener Diode	AA
D725	RH-DX0473CEZZ	J	Diode	AK
D726	RH-DX0433CEZZ	J	Diode	AE
D727	RH-DX0461CEZZ	J	Diode	AG
D735	RH-EX0299CEZZ	J	Zener Diode	AB
D737	VHD1SS119//-1	J	Diode	AB
D738	VHD1SS119//-1	J	Diode	AB
D739	VHD1SS119//-1	J	Diode	AB
D775	RH-DX0441CEZZ	J	Diode	AC
D776	RH-DX0279CEZZ	J	Diode	AB
D2060	VHD1SS119//-1	J	Diode	AB
D2207	VHD1SS119//-1	J	Diode	AB
D2208	VHD1SS119//-1	J	Diode	AB
D2209	VHD1SS119//-1	J	Diode	AB
D3103	VHD1SS119//-1	J	Diode	AB
D3123	VHD1SS119//-1	J	Diode	AB
D7701	VHD1SS119//-1	J	Diode	AB
D8301	RH-PX0008PEZZ	J	LED	AE
D8302	RH-PX0013PEZZ	J	LED	AC
D8303	RH-PX0013PEZZ	J	LED	AC
D8304	RH-PX0013PEZZ	J	LED	AC
Q7703	RH-PX0004PEZZ	J	Photo transistor	AF
Q7704	RH-PX0004PEZZ	J	Photo transistor	AF
⚠ IC702	RH-FX0034CEZZ	J	Photo coupler	AE
▲⚠ IC775	RH-FX0034CEZZ	J	Photo coupler	AE
⚠ VA701	RH-VX0026CEZZ	J	Varistor (25VT-J100)	AC

PACKAGED CIRCUIT

⚠ PR701	RMPTP0026CEZZ	J	Packaged Circuit	AF

CRYSTALS

X801	RCRSB0001PEZZ	J	Crystal	AL
X5502	RCRSB0204GEZZ	J	Crystal	AG
X7701	RCRSB0159GEZZ	J	Crystal	AF

FILTERS

CF301	RFiLC0404CEZZ	J	Filter	AF
CF302	RFiLC0403CEZZ	J	Filter	AE
CF401	RFiLC0013CEZZ	J	Filter	AE
CF631	RFiLA0034CEZZ	J	Filter	AD
CF2040	RFiLC0121GEZZ	J	Filter	AD
SF201	RFiLC0405CEZZ	J	Filter	AH

COILS

L51	VP-DF220K0000	J	Peaking 22µH	AB
L201	VP-XF1R2K0000	J	Peaking 1.2µH	AB
L202	RCiLi0618CEZZ	J	IF Coil	AE
L203	VP-XFR56K0000	J	Peaking 0.56µH	AB
L211	VP-XF560K0000	J	Peaking 56µH	AB
L301	VP-XF8R2K0000	J	Peaking 8.2µH	AB
L302	RCiLi0617CEZZ	J	IF Coil	AD
L303	VP-MK220K0000	J	Peaking 22µH	AB
L321	VP-XF560K0000	J	Peaking 56µH	AB

PWB-A DUNTK9282WEV0/V3
MAIN UNIT (Continued)

Ref. No.	Part No.	★	Description	Code
L401	VP-XF120K0000	J	Peaking 12µH	AB
L402	VP-XF2R7K0000	J	Peaking 2.7µH	AB
L403	VP-XF6R8K0000	J	Peaking 6.8µH	AB
L404	VP-XF8R2K0000	J	Peaking 8.2µH	AB
L616	RCiLZ0621CEZZ	J	Coil	AH
⚠ L701	RCiLF0090CEZZ	J	Coil (25VT-J100)	AL
L725	RCiLP0195CEZZ	J	Coil	AD
L726	RCiLP0179CEZZ	J	Coil	AD
L727	RCiLP0179CEZZ	J	Coil	AD
L2040	RCiLB0015PEZZ	J	Oscillation Coil	AF
L2202	VP-XF820K0000	J	Peaking 82µH	AB
L2203	VP-MK471K0000	J	Peaking 470µH	AB
L2205	VP-XF150K0000	J	Peaking 15µH	AB
L2206	VP-XF151K0000	J	Peaking 150µH	AB
L2208	VP-XF101K0000	J	Peaking 100µH	AB
L2209	VP-DF4R7K0000	J	Peaking 4.7µH	AB
L2210	VP-MK561K0000	J	Peaking 560µH	AB
L3101	VP-XF100K0000	J	Peaking 10µH	AB
L3102	VP-XF100K0000	J	Peaking 10µH	AB
L3301	VP-MK101K0000	J	Peaking 100µH	AB
L5501	VP-XF100K0000	J	Peaking 10µH	AB
L5502	VP-XF120K0000	J	Peaking 12µH	AB
L5506	VP-XF390K0000	J	Peaking 39µH	AB
L6601	VP-DF221K0000	J	Peaking 220µH	AB
L6602	VPADK822J0000	J	Peaking 8200µH	AC
L6603	VPADK822J0000	J	Peaking 8200µH	AC
L6604	VPADK153J0000	J	Peaking 15mH	AC
L6605	VP-DF120K0000	J	Peaking 12µH	AB
L7701	VP-XF1R0K0000	J	Peaking 1µH	AB

TRANSFORMERS

T601	RTRNZ0447CEZZ	J	Transformer	AK
▲⚠ T602	RTRNF0146PEZZ	J	H-OUT	BG
⚠ T701	RTRNZ0116PEZZ	J	Transformer	AU
T6601	RTRNH0053GEZZ	J	Osc. Transformer	AE

CONTROL

R738	RVR-M4333CEZZ	J	Variable Resistor	AC

CAPACITORS

[EL. ··· Electrolytic, M-Poly. ··· Metalized Polypro Film]

C51	VCEAGA1CW476M	J	47	16V	EL.	AB
C52	VCKYPA1HF103Z	J	0.01	50V	Ceramic	AA
C53	VCEAKA1HW105M	J	1	50V	EL.	AB
C54	VCEAKA1HW225M	J	2.2	50V	EL.	AB
C55	VCEAGA0JW477M	J	470	6.3V	EL.	AB
C201	VCKYCY1EB103K	J	0.01	25V	Ceramic	AA
C202	VCKYCY1EB103K	J	0.01	25V	Ceramic	AA
C203	VCKYCY1EB103K	J	0.01	25V	Ceramic	AA
C204	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C205	VCEAKA1HW474M	J	0.47	50V	EL.	AB
C206	VCEAGA1CW477M	J	470	16V	EL.	AC
C207	VCKYCY1HF103Z	J	0.01	50V	Ceramic	AA
C208	VCEAKA1HW474M	J	0.47	50V	EL.	AB
C209	VCKYCY1HB102K	J	1000p	50V	Ceramic	AA
C210	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C211	VCCCCY1HH270J	J	27p	50V	Ceramic	AA
C241	VCEAGA1CW337M	J	330	16V	EL.	AC
C301	VCCCCY1HH470J	J	47p	50V	Ceramic	AA
C302	VCCCCY1HH151J	J	150p	50V	Ceramic	AA
C303	VCQYTA1HM472K	J	4700p	50V	Mylar	AB
C304	VCEAKA1HW105M	J	1	50V	EL.	AB
C305	VCKYCY1CB104K	J	0.1	16V	Ceramic	AB
C306	VCCCCY1HH470J	J	47p	50V	Ceramic	AA
C307	VCCCCY1HH101J	J	100p	50V	Ceramic	AA
C308	VCKYCY1EB103K	J	0.01	25V	Ceramic	AA
C309	VCEAGA1CW337M	J	330	16V	EL.	AC
C314	VCE9EA1HW225M	J	2.2	50V	EL.	AB
C329	VCKYCY1EB103K	J	0.01	25V	Ceramic	AA
C335	VCQYTA1HM104J	J	0.1	50V	Mylar	AA
C341	VCEAKA1HW225M	J	2.2	50V	EL.	AB
C342	VCKYCY1CB104K	J	0.1	16V	Ceramic	AB
C343	VCCCCY1HH151J	J	150p	50V	Ceramic	AA
C345	VCKYCY1HF103Z	J	0.01	50V	Ceramic	AA
C346	VCEAEA1CW107M	J	100	16V	EL.	AC
C351	VCKYCY1CB104K	J	0.1	16V	Ceramic	AB
C352	VCEAGA1CW107M	J	100	16V	EL.	AB
C353	VCEAGA1CW477M	J	470	16V	EL.	AC
C354	VCQYTA1HM104K	J	0.1	50V	Mylar	AC
C355	VCEAKA1CW226M	J	22	16V	EL.	AB
C361	VCEAGA1EW337M	J	330	25V	EL.	AC
C401	VCKYCY1HB391K	J	390p	50V	Ceramic	AA
C402	VCCCCY1HH101J	J	100p	50V	Ceramic	AA
C405	VCEAKA1HW105M	J	1	50V	EL.	AB
C406	VCEAKA1CW226M	J	22	16V	EL.	AB
C407	VCCCCY1HH100D	J	10p	50V	Ceramic	AA
C408	VCEAKA1CW106M	J	10	16V	EL.	AB
C409	VCEAKA1HW105M	J	1	50V	EL.	AB
C410	VCQYTA1HM104K	J	0.1	50V	Mylar	AC
C411	VCEAEA1CW107M	J	100	16V	EL.	AC
C412	VCKYCY1EB103K	J	0.01	25V	Ceramic	AA
C413	VCKYCY1HF103Z	J	0.01	50V	Ceramic	AA
C414	VCE9EA1HW105M	J	1	50V	EL.	AC
C420	VCE9EA1HW105M	J	1	50V	EL.	AC
C422	VCEAKA1CW106M	J	10	16V	EL.	AB
C425	VCEAGA1CW107M	J	100	16V	EL.	AB
C426	VCEAKA1CW106M	J	10	16V	EL.	AB
C451	VCQYTA2AA104K	J	0.1	100V	Mylar	AB
C453	VCEAGA2AW226M	J	22	100V	EL.	AC
C454	VCEAKA1CW106M	J	10	16V	EL.	AB
C502	VCEAGA1VW108M	J	1000	35V	EL.	AD
C504	VCKYPA2HB391K	J	390p	500V	Ceramic	AA
C505	VCQYTA1HM473K	J	0.047	50V	Mylar	AB
C507	VCQYTA1HM103K	J	0.01	50V	Mylar	AB
C508	VCEAGA1HW107M	J	100	50V	EL.	AC
C509	VCKYPA2HB102K	J	1000p	500V	Ceramic	AA
C510	VCEAGA1VW108M	J	1000	35V	EL.	AD
C511	VCQYTA1HM273J	J	0.027	50V	Mylar	AB
C512	VCFYSA1JA564J	J	0.56	63V		AE
C513	VCEAGA1HW474M	J	0.47	50V	EL.	AA
C514	VCEACA1HC105M	J	1	50V	EL.	AC
C551	VCEACA1HC225M	J	2.2	50V	EL.	AC

PWB-A DUNTK9282WEV0/V3

MAIN UNIT (Continued)

Ref. No.	Part No.	★	Description			Code
C552	VCEAKA1HW225M	J	2.2	50V	EL.	AB
C553	VCCCCY1HH391J	J	390p	50V	Ceramic	AA
C602	VCKYPA1HB102K	J	1000p	50V	Ceramic	AA
C603	VCKYPA2HB102K	J	1000p	500V	Ceramic	AA
C606	VCKYPA1HB472K	J	4700p	50V	Ceramic	AA
▲⚠ C607	VCFPPD3CA622H	J	6200p	1.6V	M-Poly	AE
▲⚠ C608	VCFPPD3CA512H	J	5100p	1.6V	M-Poly	AD
C612	VCFPPD2DB564J	J	0.56	200V	M-Poly	AF
C614	VCKYPA2HB821K	J	820p	500V	Ceramic	AA
C631	VCEAKA1HW475M	J	4.7	50V	EL.	AB
C632	VCKYCY1CB333K	J	0.033	16V	Ceramic	AA
C633	VCEAEA1CW107M	J	100	16V	EL.	AC
▲⚠ C652	VCEAGA1HW106M	J	10	50V	EL.	AC
C653	VCEAKA1CW106M	J	10	16V	EL.	AB
⚠ C701	RC-FZ017SCEZZ	J	0.22 (25VT-J100)	AC250V	Ceramic	AD
C702	VCKYPB2HE103P	J	0.01	500V	Ceramic	AB
C703	VCKYPB2HE103P	J	0.01	500V	Ceramic	AB
C705	RC-EZ0394CEZZ	J	680	200V	EL.	AP
C707	RC-KZ0404CEZZ	J	3300P	2kV	Ceramic	AE
C708	VCCSPA1HL471J	J	470p	50V	Ceramic	AA
C709	VCEAGA1HW107M	J	100	50V	EL.	AC
C710	VCQYTA1HM222K	J	2200p	50V	Mylar	AA
C712	RC-KZ0312CEZZ	J	0.0047			AD
⚠ C713	RC-EZ0587CEZZ	J	33	200V	EL.	AF
C719	VCKYPA1HB102K	J	1000p	50V	Ceramic	AA
C724	VCKYPA1HB102K	J	1000p	50V	Ceramic	AA
C725	VCKYPA1HB102K	J	1000p	50V	Ceramic	AA
C726	VCEAGA1EW228M	J	2200	25V	EL.	AE
C727	VCEAGA1CW108M	J	1000	16V	EL.	AD
C728	RC-KZ0365CEZZ	J	0.001		Ceramic	AD
C729	RC-KZ0365CEZZ	J	0.001		Ceramic	AD
C730	RC-EZ0583CEZZ	J	330	200V	EL.	AN
C735	VCCSPA1HL680K	J	68p	50V	Ceramic	AB
C737	VCEAGA1CW107M	J	100	16V	EL.	AB
C739	VCEAKA1HW104M	J	0.1	50V	EL.	AC
C756	VCEAGA1CW476M	J	47	16V	EL.	AB
C757	VCEAGA0JW107M	J	100	6.3V	EL.	AB
C758	VCEAKA1CW226M	J	22	16V	EL.	AB
C759	VCEAGA1CW476M	J	47	16V	EL.	AB
C760	VCEAGA1CW476M	J	47	16V	EL.	AB
C768	VCEAGA1CW476M	J	47	16V	EL.	AB
C769	VCEAGA1CW476M	J	47	16V	EL.	AB
C775	VCKYPA1HB102K	J	1000p	50V	Ceramic	AA
C801	VCKYCY1EB223K	J	0.022	25V	Ceramic	AA
C802	VCEAKA1HW105M	J	1	50V	EL.	AB
C803	VCCCCY1HH100D	J	10p	50V	Ceramic	AA
C804	VCKYCY1EB103K	J	0.01	25V	Ceramic	AA
C805	VCKYCY1EB103K	J	0.01	25V	Ceramic	AA
C806	VCKYCY1EB103K	J	0.01	25V	Ceramic	AA
C807	VCCCCY1HH270J	J	27p	50V	Ceramic	AA
C2002	VCKYCY1CB333K	J	0.033	16V	Ceramic	AA
C2041	VCKYCY1CB104K	J	0.1	16V	Ceramic	AB
C2060	VCKYCY1EB223K	J	0.022	25V	Ceramic	AA
C2201	VCKYCY1HF103Z	J	0.01	50V	Ceramic	AA
C2202	VCKYCY1HF103Z	J	0.01	50V	Ceramic	AA
C2203	VCKYCY1HF103Z	J	0.01	50V	Ceramic	AA
C2204	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C2205	VCEAKA0JW476M	J	47	6.3V	EL.	AB
C2207	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C2208	VCEAKA1HW225M	J	2.2	50V	EL.	AB
C2209	VCEAKA1CW106M	J	10	16V	EL.	AB
C2210	VCEAKA1CW106M	J	10	16V	EL.	AB
C2211	VCKYCY1HF103Z	J	0.01	50V	Ceramic	AA
C2212	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C2213	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C2214	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C2215	VCEAKA1HW335M	J	3.3	50V	EL.	AB
C2216	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C2217	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C2218	VCCCCY1HH390J	J	39p	50V	Ceramic	AA
C2219	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C2221	VCCCPA1HH151J	J	150p	50V	Ceramic	AA
C2223	VCKYCY1HF103Z	J	0.01	50V	Ceramic	AA
C2224	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C2226	VCKYPA1HF103Z	J	0.01	50V	Ceramic	AA
C2228	VCKYCY1HF103Z	J	0.01	50V	Ceramic	AA
C2230	VCKYCY1EB223K	J	0.022	25V	Ceramic	AA
C2231	VCKYCY1HB561K	J	560p	50V	Ceramic	AA
C2235	VCEAKA0JW476M	J	47	6.3V	EL.	AB
C2237	VCKYCY1HF103Z	J	0.01	50V	Ceramic	AA
C2238	VCCCCY1HH390J	J	39p	50V	Ceramic	AA
C2239	VCCCCY1HH220J	J	22p	50V	Ceramic	AA
C2240	VCCCCY1HH150J	J	15p	50V	Ceramic	AA
C2241	VCKYCY1HF103Z	J	0.01	50V	Ceramic	AA
C2242	VCCCCY1HH181J	J	180p	50V	Ceramic	AA
C2243	VCKYCY1HF103Z	J	0.01	50V	Ceramic	AA
C2244	VCEAKA1HW474M	J	0.47	50V	EL.	AB
C2253	VCKYCY1HF103Z	J	0.01	50V	Ceramic	AA
C2254	VCKYCY1HF103Z	J	0.01	50V	Ceramic	AA
C2255	VCKYCY1HF103Z	J	0.01	50V	Ceramic	AA
C2256	VCEAKA1CW106M	J	10	16V	EL.	AB
C2276	VCKYCY1CF474Z	J	0.47	16V	Ceramic	AB
C3102	VCCCCY1HH221J	J	220p	50V	Ceramic	AA
C3103	VCEAKA1HW105M	J	1	50V	EL.	AB
C3104	VCKYCY1HB102K	J	1000p	50V	Ceramic	AA
C3105	VCCCCY1HH221J	J	220p	50V	Ceramic	AA
C3106	VCKYCY1CB104K	J	0.1	16V	Ceramic	AB
C3107	VCKYCY1HF103Z	J	0.01	50V	Ceramic	AA
C3108	VCEAKA0JW107M	J	100	6.3V	EL.	AB
C3110	VCKYCY1HB222K	J	2200p	50V	Ceramic	AA
C3111	VCEAKA0JW107M	J	100	6.3V	EL.	AB
C3112	VCKYCY1HF103Z	J	0.01	50V	Ceramic	AA
C3113	VCCCCY1HH101J	J	100p	50V	Ceramic	AA
C3114	VCCCCY1HH101J	J	100p	50V	Ceramic	AA
C3115	VCCCCY1HH101J	J	100p	50V	Ceramic	AA
C3116	VCCCCY1HH101J	J	100p	50V	Ceramic	AA
C3117	VCEAKA1CW106M	J	10	16V	EL.	AB
C3130	VCKYCY1HF103Z	J	0.01	50V	Ceramic	AA
C3301	VCKYCY1HF223Z	J	0.022	50V	Ceramic	AB
C3302	VCCCCY1HH220J	J	22p	50V	Ceramic	AA
C3303	VCKYCY1HF223Z	J	0.022	50V	Ceramic	AB
C3304	VCCCCY1HH220J	J	22p	50V	Ceramic	AA

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Ref. No.	Part No.	★	Description			Code
C3311	VCKYCY1HB471K	J	470p	50V	Ceramic	AA
C3312	VCKYCY1HF103Z	J	0.01	50V	Ceramic	AA
C3313	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C3314	VCEAKA1HW105M	J	1	50V	EL.	AB
C3316	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C3317	VCEAKA0JW476M	J	47	6.3V	EL.	AB
C5501	VCKYCY1HF333Z	J	0.033	50V	Ceramic	AA
C5503	VCKYCY1HF223Z	J	0.022	50V	Ceramic	AB
C5505	VCCCCY1HH181J	J	180p	50V	Ceramic	AA
C5506	VCCCCY1HH390J	J	39p	50V	Ceramic	AA
C5507	VCEAKA1HW475M	J	4.7	50V	EL.	AB
C5508	VCEAKA1HW225M	J	2.2	50V	EL.	AB
C5509	VCKYCY1CB104K	J	0.1	16V	Ceramic	AB
C5510	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C5511	VCCCCY1HH5R0C	J	5p	50V	Ceramic	AA
C5512	VCEAKA1HW335M	J	3.3	50V	EL.	AB
C5513	VCKYCY1HF103Z	J	0.01	50V	Ceramic	AA
C5514	VCEAKA0JW476M	J	47	6.3V	EL.	AB
C5515	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C5516	VCKYCY1HF103Z	J	0.01	50V	Ceramic	AA
C5517	VCKYPA1HF103Z	J	0.01	50V	Ceramic	AA
C5518	VCCCCY1HH390J	J	39p	50V	Ceramic	AA
C5519	VCKYPA1HF103Z	J	0.01	50V	Ceramic	AA
C5520	VCKYCY1HF103Z	J	0.01	50V	Ceramic	AA
C5521	VCKYCY1HB221K	J	220p	50V	Ceramic	AA
C5522	VCKYCY1HF103Z	J	0.01	50V	Ceramic	AA
C5524	VCEAKA1CW106M	J	10	16V	EL.	AB
C5525	VCKYCY1HF103Z	J	0.01	50V	Ceramic	AA
C5526	VCCCCY1HH270J	J	27p	50V	Ceramic	AA
C5530	VCEAKA1HW474M	J	0.47	50V	EL.	AB
C5555	VCKYCY1CF474Z	J	0.47	16V	Ceramic	AB
C6601	VCQPSA2AA562J	J	5600p	100V	Poly. Film	AC
C6602	VCKYCY1HF103Z	J	0.01	50V	Ceramic	AA
C6603	VCKYCY1HF103Z	J	0.01	50V	Ceramic	AA
C6604	VCEAKA1CW106M	J	10	16V	EL.	AB
C6605	VCEAKA1CW476M	J	47	16V	EL.	AB
C6606	VCKYCY1HB681K	J	680p	50V	Ceramic	AA
C6607	VCEAKA1HW475M	J	4.7	50V	EL.	AB
C6608	VCEAKA1CW106M	J	10	16V	EL.	AB
C6609	VCQYTA1HM683K	J	0.068	50V	Mylar	AB
C6612	VCQYTA1HM183K	J	0.018	50V	Mylar	AB
C6615	VCEAKA1HW335M	J	3.3	50V	EL.	AB
C6616	VCKYCY1HB102K	J	1000p	50V	Ceramic	AA
C6617	VCEAKA1CW106M	J	10	16V	EL.	AB
C6618	VCKYCY1EB123K	J	0.012	25V	Ceramic	AA
C6619	VCEAKA0JW476M	J	47	6.3V	EL.	AB
C6620	VCEAKA1HW224M	J	0.22	50V	EL.	AB
C6621	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C6622	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C6623	VCEAKA1HW105M	J	1	50V	EL.	AB
C6624	VCKYCY1HB102K	J	1000p	50V	Ceramic	AA
C6625	VCEAKA1CW106M	J	10	16V	EL.	AB
C6626	VCQYTA1HM183K	J	0.018	50V	Mylar	AB
C6627	VCKYCY1EB183K	J	0.018	25V	Ceramic	AA
C6628	VCKYCY1HB682K	J	6800p	50V	Ceramic	AA

Ref. No.	Part No.	★	Description			Code
C7701	VCKYCY1HF103Z	J	0.01	50V	Ceramic	AA
C7702	VCKYCY1HF103Z	J	0.01	50V	Ceramic	AA
C7704	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C7705	VCCCCY1HH220J	J	22p	50V	Ceramic	AA
C7706	VCCCCY1HH220J	J	22p	50V	Ceramic	AA
C7707	VCKYCY1HF103Z	J	0.01	50V	Ceramic	AA
C7708	VCKYCY1HB272K	J	2700p	50V	Ceramic	AA
C7709	VCKYCY1HF103Z	J	0.01	50V	Ceramic	AA
C7710	VCKYCY1HF103Z	J	0.01	50V	Ceramic	AA
C7713	VCKYD41HB102K	J	1000p	50V	Ceramic	AA
C7714	VCKYCY1HB332K	J	3300p	50V	Ceramic	AA
C7715	VCEAKA1AW226M	J	22	10V	EL.	AC
C7716	VCKYCY1HB102K	J	1000p	50V	Ceramic	AA
C7717	VCEAKA1CW106M	J	10	16V	EL.	AB
C7719	VCKYCY1HF103Z	J	0.01	50V	Ceramic	AA
C7721	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C7725	VCKYCY1HB222K	J	2200p	50V	Ceramic	AA
C7728	VCKYCY1HF103Z	J	0.01	50V	Ceramic	AA
C7729	VCEAKA1CW106M	J	10	16V	EL.	AB
C7730	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C7731	VCEAKA1AW226M	J	22	10V	EL.	AC
C7732	VCKYCY1HB682K	J	6800p	50V	Ceramic	AA
C7733	VCKYCY1HB221K	J	220p	50V	Ceramic	AA
C7734	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C7737	VCEAKA0JW107M	J	100	6.3V	EL.	AB
C7738	VCEAKA1CW476M	J	47	16V	EL.	AB
C7739	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C7740	VCE9EA1HW105M	J	1	50V	EL.	AC
C7742	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C7743	VCKYCY1HB102K	J	1000p	50V	Ceramic	AA
C7749	VCKYCY1HF103Z	J	0.01	50V	Ceramic	AA
C7750	VCKYCY1HF103Z	J	0.01	50V	Ceramic	AA
C7755	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C7756	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C7758	VCKYD41CY103N	J	0.01	16V	Ceramic	AA
C7759	VCKYD41CY103N	J	0.01	16V	Ceramic	AA
C7760	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA

RESISTORS

[M.Ox ··· Metal Oxide]

R54	VRD-RA2BE101J	J	100	1/8W	Carbon	AA
R55	VRD-RA2BE101J	J	100	1/8W	Carbon	AA
R56	VRD-RA2BE823J	J	82k	1/8W	Carbon	AA
R57	VRD-RA2BE103J	J	10k	1/8W	Carbon	AA
R201	VRS-CY1JF151J	J	150	1/16W	M.Ox	AA
R202	VRS-CY1JF122J	J	1.2k	1/16W	M.Ox	AA
R203	VRS-CY1JF682J	J	6.8k	1/16W	M.Ox	AA
R204	VRS-CY1JF270J	J	27	1/16W	M.Ox	AA
R205	VRS-CY1JF331J	J	330	1/16W	M.Ox	AA
R206	VRD-RA2EE121J	J	120	1/4W	Carbon	AA
R207	VRS-CY1JF391J	J	390	1/16W	M.Ox	AA
R208	VRS-CY1JF331J	J	330	1/16W	M.Ox	AA
R301	VRS-CY1JF562J	J	5.6k	1/16W	M.Ox	AA
R302	VRS-CY1JF102J	J	1k	1/16W	M.Ox	AA
R303	VRS-CY1JF123J	J	12k	1/16W	M.Ox	AA
R305	VRD-RA2BE223J	J	22k	1/8W	Carbon	AA
R306	VRS-CY1JF222J	J	2.2k	1/16W	M.Ox	AA
R307	VRS-CY1JF152J	J	1.5k	1/16W	M.Ox	AA

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Ref. No.	Part No.	★			Description	Code
R308	VRS-CY1JF271J	J	270	1/16W	M.Ox	AA
R313	VRS-CY1JF000J	J	0	1/16W	M.Ox	AA
R315	VRS-CY1JF221J	J	220	1/16W	M.Ox	AA
R319	VRS-CY1JF223J	J	22k	1/16W	M.Ox	AA
R320	VRD-RA2BE103J	J	10k	1/8W	Carbon	AA
R327	VRS-VV3DB120J	J	12	2W	M.Ox	AA
R342	VRD-RA2BE223J	J	22k	1/8W	Carbon	AA
R344	VRS-CY1JF332J	J	3.3k	1/16W	M.Ox	AA
R346	VRD-RA2BE221J	J	220	1/8W	Carbon	AA
R352	VRS-CY1JF562J	J	5.6k	1/16W	M.Ox	AA
R353	VRD-RA2BE4R7J	J	4.7	1/8W	Carbon	AA
R354	VRS-CY1JF152J	J	1.5k	1/16W	M.Ox	AA
R401	VRS-CY1JF682J	J	6.8k	1/16W	M.Ox	AA
R402	VRD-RA2BE331J	J	330	1/8W	Carbon	AA
R403	VRS-CY1JF331J	J	330	1/16W	M.Ox	AA
R404	VRS-CY1JF102J	J	1k	1/16W	M.Ox	AA
R405	VRS-CY1JF180J	J	18	1/16W	M.Ox	AA
R406	VRS-CY1JF101J	J	100	1/16W	M.Ox	AA
R407	VRS-CY1JF102J	J	1k	1/16W	M.Ox	AA
R408	VRS-CY1JF471J	J	470	1/16W	M.Ox	AA
R409	VRS-CY1JF562J	J	5.6k	1/16W	M.Ox	AA
R410	VRD-RA2BE154J	J	150k	1/8W	Carbon	AA
R411	VRS-CY1JF562J	J	5.6k	1/16W	M.Ox	AA
R412	VRD-RA2EE561J	J	560	1/4W	Carbon	AA
R413	VRD-RA2EE151J	J	150	1/4W	Carbon	AA
R414	VRD-RA2EE151J	J	150	1/4W	Carbon	AA
R415	VRD-RA2EE151J	J	150	1/4W	Carbon	AA
R416	VRS-CY1JF222J	J	2.2k	1/16W	M.Ox	AA
R418	VRS-CY1JF000J	J	0	1/16W	M.Ox	AA
R419	VRS-CY1JF000J	J	0	1/16W	M.Ox	AA
R421	VRS-CY1JF122J	J	1.2k	1/16W	M.Ox	AA
R424	VRS-CY1JF222J	J	2.2k	1/16W	M.Ox	AA
R426	VRS-CY1JF750J	J	75	1/16W	M.Ox	AA
R427	VRD-RA2BE101J	J	100	1/8W	Carbon	AA
R429	VRS-CY1JF152J	J	1.5k	1/16W	M.Ox	AA
R430	VRD-RA2BE101J	J	100	1/8W	Carbon	AA
R431	VRS-CY1JF000J	J	0	1/16W	M.Ox	AA
R433	VRS-CY1JF122J	J	1.2k	1/16W	M.Ox	AA
R434	VRS-CY1JF222J	J	2.2k	1/16W	M.Ox	AA
R438	VRS-CY1JF822J	J	8.2k	1/16W	M.Ox	AA
R439	VRS-CY1JF182J	J	1.8k	1/16W	M.Ox	AA
R441	VRS-CY1JF000J	J	0	1/16W	M.Ox	AA
R443	VRS-CY1JF222J	J	2.2k	1/16W	M.Ox	AA
R444	VRS-CY1JF101J	J	100	1/16W	M.Ox	AA
⚠ R451	VRS-SV2HC103J	J	10k	1/2W	M.Ox	AA
R453	VRD-RA2EE124J	J	120k	1/4W	Carbon	AA
R454	VRD-RA2EE334J	J	330k	1/4W	Carbon	AA
R455	VRD-RA2BE222J	J	2.2k	1/8W	Carbon	AA
R456	VRS-CY1JF682J	J	6.8k	1/16W	M.Ox	AA
⚠ R458	VRS-VV3AB682J	J	6.8k	1W	M.Ox	AA
R459	VRD-RA2BE472J	J	4.7k	1/8W	Carbon	AA
R466	VRN-VV3AB1R8J	J	1.8	1W	Metal Film	AA
R468	VRN-VV3AB1R5J	J	1.5	1W	Metal Film	AA
R501	VRS-CY1JF101J	J	100	1/16W	M.Ox	AA
R504	VRD-RA2BE471J	J	470	1/8W	Carbon	AA
R505	VRD-RA2BE101J	J	100	1/8W	Carbon	AA
R506	VRD-RA2BE124G	J	120k	1/8W	Carbon	AA
R507	VRD-RA2BE104G	J	100k	1/8W	Carbon	AA
R508	VRD-RA2BE473J	J	47k	1/8W	Carbon	AA
R510	VRN-VV3AB1R0J	J	1	1W	Metal Film	AA
⚠ R511	VRN-SV2HB1R0J	J	1	1/2W	Metal Film	AA
R512	VRS-VV3AB391J	J	390	1W	M.Ox	AA
R513	VRD-RA2BE182J	J	1.8k	1/8W	Carbon	AA
R516	VRD-RA2BE332J	J	3.3k	1/8W	Carbon	AA
R517	VRD-RA2BE472J	J	4.7k	1/8W	Carbon	AA
R518	VRD-RA2BE184J	J	180k	1/8W	Carbon	AA
R521	VRD-RA2BE123G	J	12k	1/8W	Carbon	AA
R525	VRD-RA2BE822J	J	8.2k	1/8W	Carbon	AA
R551	VRS-CY1JF472J	J	4.7k	1/16W	M.Ox	AA
R552	VRS-CY1JF102J	J	1k	1/16W	M.Ox	AA
R553	VRS-CY1JF224J	J	220k	1/16W	M.Ox	AA
R554	VRS-CY1JF223J	J	22k	1/16W	M.Ox	AA
R601	VRD-RA2BE331J	J	330	1/8W	Carbon	AA
R602	VRD-RM2HD332J	J	3.3k	1/2W	Carbon	AA
⚠ R603	VRS-SV3LB152J	J	1.5k	3.0W	M.Ox	AB
R605	VRD-RM2HD102J	J	1k	1/2W	Carbon	AA
R608	VRD-RA2BE331J	J	330	1/8W	Carbon	AA
R611	VRD-RM2HD150J	J	15	1/2W	Carbon	AA
R631	VRS-CY1JF391J	J	390	1/16W	M.Ox	AA
R632	VRS-CY1JF182J	J	1.8k	1/16W	M.Ox	AA
R633	VRS-CY1JF472J	J	4.7k	1/16W	M.Ox	AA
▲⚠ R651	VRD-RM2HD680J	J	68	1/2W	Carbon	AA
▲⚠ R653	VRD-RA2BE822G	J	8.2k	1/8W	Carbon	AA
▲⚠ R654	VRD-RA2BE103G	J	10k	1/8W	Carbon	AA
R655	VRS-CY1JF104J	J	100k	1/16W	M.Ox	AA
⚠ R701	VRW-KQ3NC1R5K	J	1.5	7.0W	Cement	AE
⚠ R702	VRC-UA2HG395K	J	3.9M	1/2W	Solid	AA
⚠ R703	VRC-UA2HG275K	J	2.7M	1/2W	Solid	AA
R704	VRD-RM2HD154J	J	150k	1/2W	Carbon	AA
R706	RR-NZ0048CEZZ	J	0.15	2W	Metal Film	AD
R707	VRS-SV2HC681J	J	680	1/2W	M.Ox	AA
R708	VRD-RM2HD823J	J	82k	1/2W	Carbon	AA
R709	VRN-GA2EB1R0J	J	1	1/4W	Metal Film	AA
R710	VRD-RM2HD100J	J	10	1/2W	Carbon	AA
R711	VRD-RA2EE152J	J	1.5k	1/4W	Carbon	AA
R712	VRD-RA2EE562J	J	5.6k	1/4W	Carbon	AA
R713	VRS-SV2HC272J	J	2.7k	1/2W	M.Ox	AA
R714	VRW-KQ3HC4R7K	J	4.7	5W	Cement	AE
R716	VRD-RA2EE152J	J	1.5k	1/4W	Carbon	AA
⚠ R718	VRN-GA2EB1R0J	J	1	1/4W	Metal Film	AA
R727	VRS-VV3DB223J	J	22k	2W	M.Ox	AA
R735	VRD-RM2HD182J	J	1.8k	1/2W	Carbon	AA
R736	VRD-RM2HD563J	J	56k	1/2W	Carbon	AA
R739	VRD-RM2HD182J	J	1.8k	1/2W	Carbon	AA
R740	VRD-RM2HD470J	J	47	1/2W	Carbon	AA
R741	VRD-RA2BE332G	J	3.3k	1/8W	Carbon	AA
R742	VRD-RA2BE563J	J	56k	1/8W	Carbon	AA
R743	VRD-RA2BE102J	J	1k	1/8W	Carbon	AA
R744	VRD-RA2BE103J	J	10k	1/8W	Carbon	AA
R745	VRD-RA2BE682J	J	6.8k	1/8W	Carbon	AA
R746	VRD-RA2BE823J	J	82k	1/8W	Carbon	AA
R747	VRD-RA2BE223J	J	22k	1/8W	Carbon	AA
R748	VRD-RA2BE562J	J	5.6k	1/8W	Carbon	AA

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MAIN UNIT (Continued)

Ref. No.	Part No.	★	Description			Code
R756	VRD-RM2HD221J	J	220	1/2W	Carbon	AA
R757	VRD-RA2BE683G	J	68k	1/8W	Carbon	AA
R766	VRD-RA2BE102J	J	1k	1/8W	Carbon	AA
R775	VRD-RM2HD123J	J	12k	1/2W	Carbon	AA
R776	VRD-RM2HD123J	J	12k	1/2W	Carbon	AA
R801	VRS-CY1JF103J	J	10k	1/16W	M.Ox	AA
R802	VRS-CY1JF332J	J	3.3k	1/16W	M.Ox	AA
R803	VRS-CY1JF182J	J	1.8k	1/16W	M.Ox	AA
R804	VRS-CY1JF182J	J	1.8k	1/16W	M.Ox	AA
R805	VRS-CY1JF182J	J	1.8k	1/16W	M.Ox	AA
R806	VRS-CY1JF333J	J	33k	1/16W	M.Ox	AA
R812	VRS-CY1JF182J	J	1.8k	1/16W	M.Ox	AA
R814	VRS-CY1JF182J	J	1.8k	1/16W	M.Ox	AA
R816	VRS-CY1JF182J	J	1.8k	1/16W	M.Ox	AA
R961	VRS-CY1JF101J	J	100	1/16W	M.Ox	AA
R962	VRS-CY1JF101J	J	100	1/16W	M.Ox	AA
R2002	VRS-CY1JF332J	J	3.3k	1/16W	M.Ox	AA
R2003	VRD-RA2BE103J	J	10k	1/8W	Carbon	AA
R2012	VRS-CY1JF472J	J	4.7k	1/16W	M.Ox	AA
R2013	VRS-CY1JF472J	J	4.7k	1/16W	M.Ox	AA
R2028	VRS-CY1JF102J	J	1k	1/16W	M.Ox	AA
R2040	VRS-CY1JF102J	J	1k	1/16W	M.Ox	AA
R2043	VRS-CY1JF102J	J	1k	1/16W	M.Ox	AA
R2055	VRS-CY1JF472J	J	4.7k	1/16W	M.Ox	AA
R2060	VRS-CY1JF564J	J	560k	1/16W	M.Ox	AA
R2061	VRS-CY1JF563J	J	56k	1/16W	M.Ox	AA
R2062	VRS-CY1JF104J	J	100k	1/16W	M.Ox	AA
R2201	VRS-CY1JF103J	J	10k	1/16W	M.Ox	AA
R2202	VRS-CY1JF103J	J	10k	1/16W	M.Ox	AA
R2203	VRS-CY1JF103J	J	10k	1/16W	M.Ox	AA
R2204	VRS-CY1JF473J	J	47k	1/16W	M.Ox	AA
R2205	VRS-CY1JF103J	J	10k	1/16W	M.Ox	AA
R2208	VRS-CY1JF472J	J	4.7k	1/16W	M.Ox	AA
R2209	VRD-RA2BE103J	J	10k	1/8W	Carbon	AA
R2210	VRS-CY1JF562J	J	5.6k	1/16W	M.Ox	AA
R2212	VRS-CY1JF682J	J	6.8k	1/16W	M.Ox	AA
R2213	VRS-CY1JF182J	J	1.8k	1/16W	M.Ox	AA
R2215	VRS-CY1JF103J	J	10k	1/16W	M.Ox	AA
R2217	VRS-CY1JF103J	J	10k	1/16W	M.Ox	AA
R2218	VRS-CY1JF103J	J	10k	1/16W	M.Ox	AA
R2219	VRS-CY1JF333J	J	33k	1/16W	M.Ox	AA
R2220	VRS-CY1JF682J	J	6.8k	1/16W	M.Ox	AA
R2223	VRS-CY1JF152J	J	1.5k	1/16W	M.Ox	AA
R2224	VRS-CY1JF333J	J	33k	1/16W	M.Ox	AA
R2225	VRS-CY1JF333J	J	33k	1/16W	M.Ox	AA
R2226	VRS-CY1JF152J	J	1.5k	1/16W	M.Ox	AA
R2227	VRS-CY1JF152J	J	1.5k	1/16W	M.Ox	AA
R2229	VRS-CY1JF182J	J	1.8k	1/16W	M.Ox	AA
R2230	VRS-CY1JF681J	J	680	1/16W	M.Ox	AA
R2235	VRS-CY1JF122J	J	1.2k	1/16W	M.Ox	AA
R2236	VRS-CY1JF103J	J	10k	1/16W	M.Ox	AA
R2237	VRS-CY1JF561J	J	560	1/16W	M.Ox	AA
R2238	VRS-CY1JF122J	J	1.2k	1/16W	M.Ox	AA
R2239	VRS-CY1JF183J	J	18k	1/16W	M.Ox	AA
R2240	VRS-CY1JF223J	J	22k	1/16W	M.Ox	AA
R2241	VRS-CY1JF183J	J	18k	1/16W	M.Ox	AA
R2244	VRS-CY1JF562J	J	5.6k	1/16W	M.Ox	AA
R2247	VRS-CY1JF561J	J	560	1/16W	M.Ox	AA
R2248	VRS-CY1JF272J	J	2.7k	1/16W	M.Ox	AA
R2249	VRS-CY1JF681J	J	680	1/16W	M.Ox	AA
R2250	VRS-CY1JF471J	J	470	1/16W	M.Ox	AA
R2251	VRS-CY1JF102J	J	1k	1/16W	M.Ox	AA
R2252	VRS-CY1JF272J	J	2.7k	1/16W	M.Ox	AA
R2253	VRS-CY1JF104J	J	100k	1/16W	M.Ox	AA
R2254	VRS-CY1JF101J	J	100	1/16W	M.Ox	AA
R2255	VRD-RA2BE822J	J	8.2k	1/8W	Carbon	AA
R2256	VRS-CY1JF331J	J	330	1/16W	M.Ox	AA
R2257	VRS-CY1JF562J	J	5.6k	1/16W	M.Ox	AA
R2258	VRS-CY1JF822J	J	8.2k	1/16W	M.Ox	AA
R2259	VRD-RA2BE272J	J	2.7k	1/8W	Carbon	AA
R2262	VRS-CY1JF101J	J	100	1/16W	M.Ox	AA
R2265	VRS-CY1JF101J	J	100	1/16W	M.Ox	AA
R2266	VRD-RA2BE101J	J	100	1/8W	Carbon	AA
R2270	VRS-CY1JF681J	J	680	1/16W	M.Ox	AA
R2273	VRS-CY1JF103J	J	10k	1/16W	M.Ox	AA
R2276	VRD-RA2BE225J	J	2.2M	1/8W	Carbon	AA
R3106	VRD-RA2BE222J	J	2.2k	1/8W	Carbon	AA
R3108	VRD-RA2BE102J	J	1k	1/8W	Carbon	AA
R3109	VRD-RA2BE102J	J	1k	1/8W	Carbon	AA
R3110	VRD-RA2BE102J	J	1k	1/8W	Carbon	AA
R3111	VRS-CY1JF103J	J	10k	1/16W	M.Ox	AA
R3112	VRD-RA2BE102J	J	1k	1/8W	Carbon	AA
R3113	VRS-CY1JF103J	J	10k	1/16W	M.Ox	AA
R3117	VRS-CY1JF102J	J	1k	1/16W	M.Ox	AA
R3118	VRS-CY1JF122J	J	1.2k	1/16W	M.Ox	AA
R3119	VRS-CY1JF105J	J	1M	1/16W	M.Ox	AA
R3120	VRS-CY1JF222J	J	2.2k	1/16W	M.Ox	AA
R3121	VRS-CY1JF223J	J	22k	1/16W	M.Ox	AA
R3122	VRD-RA2BE102J	J	1k	1/8W	Carbon	AA
R3123	VRS-CY1JF223J	J	22k	1/16W	M.Ox	AA
R3124	VRD-RA2BE102J	J	1k	1/8W	Carbon	AA
R3125	VRS-CY1JF223J	J	22k	1/16W	M.Ox	AA
R3127	VRS-CY1JF334J	J	330k	1/16W	M.Ox	AA
R3128	VRS-CY1JF564J	J	560k	1/16W	M.Ox	AA
R3129	VRD-RA2BE102J	J	1k	1/8W	Carbon	AA
R3130	VRS-CY1JF223J	J	22k	1/16W	M.Ox	AA
R3131	VRD-RA2BE221J	J	220	1/8W	Carbon	AA
R3132	VRS-CY1JF103J	J	10k	1/16W	M.Ox	AA
R3133	VRD-RA2BE221J	J	220	1/8W	Carbon	AA
R3134	VRD-RA2BE221J	J	220	1/8W	Carbon	AA
R3135	VRS-CY1JF103J	J	10k	1/16W	M.Ox	AA
R3136	VRD-RA2BE102J	J	1k	1/8W	Carbon	AA
R3137	VRD-RA2BE102J	J	1k	1/8W	Carbon	AA
R3138	VRD-RA2BE102J	J	1k	1/8W	Carbon	AA
R3139	VRS-CY1JF103J	J	10k	1/16W	M.Ox	AA
R3140	VRD-RA2BE102J	J	1k	1/8W	Carbon	AA
R3141	VRS-CY1JF103J	J	10k	1/16W	M.Ox	AA
R3142	VRS-CY1JF681J	J	680	1/16W	M.Ox	AA
R3143	VRD-RA2BE562J	J	5.6k	1/8W	Carbon	AA
R3144	VRS-CY1JF562J	J	5.6k	1/16W	M.Ox	AA
R3145	VRS-CY1JF562J	J	5.6k	1/16W	M.Ox	AA
R3157	VRD-RA2BE221J	J	220	1/8W	Carbon	AA
R3162	VRS-CY1JF472J	J	4.7k	1/16W	M.Ox	AA

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MAIN UNIT (Continued)

Ref. No.	Part No.	★	Description			Code
R3163	VRD-RA2BE222J	J	2.2k	1/8W	Carbon	AA
R3167	VRD-RA2BE221J	J	220	1/8W	Carbon	AA
R3173	VRD-RA2BE223J	J	22k	1/8W	Carbon	AA
R3174	VRS-CY1JF104J	J	100k	1/16W	M.Ox	AA
R3175	VRD-RA2BE682J	J	6.8k	1/8W	Carbon	AA
R3176	VRD-RA2BE221J	J	220	1/8W	Carbon	AA
R3177	VRD-RA2BE221J	J	220	1/8W	Carbon	AA
R3178	VRD-RA2BE221J	J	220	1/8W	Carbon	AA
R3179	VRD-RA2BE221J	J	220	1/8W	Carbon	AA
R3191	VRS-CY1JF101J	J	100	1/16W	M.Ox	AA
R3195	VRD-RA2BE102J	J	1k	1/8W	Carbon	AA
R3196	VRS-CY1JF103J	J	10k	1/16W	M.Ox	AA
R3206	VRS-CY1JF563J	J	56k	1/16W	M.Ox	AA
R3207	VRS-CY1JF223J	J	22k	1/16W	M.Ox	AA
R3208	VRS-CY1JF103J	J	10k	1/16W	M.Ox	AA
R3209	VRS-CY1JF682J	J	6.8k	1/16W	M.Ox	AA
R3210	VRS-CY1JF472J	J	4.7k	1/16W	M.Ox	AA
R3221	VRD-RA2BE102J	J	1k	1/8W	Carbon	AA
R3308	VRS-CY1JF102J	J	1k	1/16W	M.Ox	AA
R3312	VRS-CY1JF682J	J	6.8k	1/16W	M.Ox	AA
R3314	VRS-CY1JF473J	J	47k	1/16W	M.Ox	AA
R5502	VRS-CY1JF273J	J	27k	1/16W	M.Ox	AA
R5503	VRS-CY1JF222J	J	2.2k	1/16W	M.Ox	AA
R5505	VRS-CY1JF152J	J	1.5k	1/16W	M.Ox	AA
R5508	VRS-CY1JF472J	J	4.7k	1/16W	M.Ox	AA
R5513	VRD-RA2BE331J	J	330	1/8W	Carbon	AA
R5516	VRS-CY1JF103J	J	10k	1/16W	M.Ox	AA
R5522	VRS-CY1JF562J	J	5.6k	1/16W	M.Ox	AA
R5524	VRD-RA2BE683J	J	68k	1/8W	Carbon	AA
R5553	VRS-CY1JF155J	J	1.5M	1/16W	M.Ox	AA
R6601	VRS-CY1JF473J	J	47k	1/16W	M.Ox	AA
R6603	VRS-CY1JF682J	J	6.8k	1/16W	M.Ox	AA
R6604	VRS-CY1JF470J	J	47	1/16W	M.Ox	AA
R6605	VRD-RA2EE4R7J	J	4.7	1/4W	Carbon	AA
R6606	VRS-CY1JF561J	J	560	1/16W	M.Ox	AA
R6608	VRS-CY1JF223J	J	22k	1/16W	M.Ox	AA
R6609	VRS-CY1JF103J	J	10k	1/16W	M.Ox	AA
R6610	VRS-CY1JF271J	J	270	1/16W	M.Ox	AA
R6614	VRS-CY1JF102J	J	1k	1/16W	M.Ox	AA
R6615	VRS-CY1JF100J	J	10	1/16W	M.Ox	AA
R6616	VRS-CY1JF223J	J	22k	1/16W	M.Ox	AA
R6617	VRS-CY1JF151J	J	150	1/16W	M.Ox	AA
R6618	VRS-CY1JF472J	J	4.7k	1/16W	M.Ox	AA
R6619	VRS-CY1JF334J	J	330k	1/16W	M.Ox	AA
R6620	VRS-CY1JF153J	J	15k	1/16W	M.Ox	AA
R6622	VRS-CY1JF123J	J	12k	1/16W	M.Ox	AA
R6623	VRD-RA2BE393J	J	39k	1/8W	Carbon	AA
R6624	VRS-CY1JF123J	J	12k	1/16W	M.Ox	AA
R6625	VRD-RA2BE103J	J	10k	1/8W	Carbon	AA
R6626	VRS-CY1JF683J	J	68k	1/16W	M.Ox	AA
R6627	VRS-CY1JF561J	J	560	1/16W	M.Ox	AA
R6628	VRS-CY1JF473J	J	47k	1/16W	M.Ox	AA
R6630	VRD-RA2BE102J	J	1k	1/8W	Carbon	AA
R6632	VRS-CY1JF223J	J	22k	1/16W	M.Ox	AA
R7701	VRS-CY1JF102J	J	1k	1/16W	M.Ox	AA
R7702	VRS-CY1JF102J	J	1k	1/16W	M.Ox	AA
R7703	VRD-RA2BE102J	J	1k	1/8W	Carbon	AA
R7707	VRD-RA2BE102J	J	1k	1/8W	Carbon	AA
R7708	VRD-RA2BE102J	J	1k	1/8W	Carbon	AA
R7711	VRS-CY1JF102J	J	1k	1/16W	M.Ox	AA
R7712	VRS-CY1JF102J	J	1k	1/16W	M.Ox	AA
R7719	VRD-RA2BE102J	J	1k	1/8W	Carbon	AA
R7720	VRD-RA2BE102J	J	1k	1/8W	Carbon	AA
R7724	VRS-CY1JF102J	J	1k	1/16W	M.Ox	AA
R7727	VRS-CY1JF102J	J	1k	1/16W	M.Ox	AA
R7730	VRS-CY1JF102J	J	1k	1/16W	M.Ox	AA
R7731	VRS-CY1JF102J	J	1k	1/16W	M.Ox	AA
R7735	VRS-CY1JF103J	J	10k	1/16W	M.Ox	AA
R7737	VRS-CY1JF103J	J	10k	1/16W	M.Ox	AA
R7738	VRS-CY1JF103J	J	10k	1/16W	M.Ox	AA
R7740	VRS-CY1JF103J	J	10k	1/16W	M.Ox	AA
R7743	VRD-RA2BE103J	J	10k	1/8W	Carbon	AA
R7744	VRD-RA2BE103J	J	10k	1/8W	Carbon	AA
R7745	VRD-RA2BE103J	J	10k	1/8W	Carbon	AA
R7746	VRD-RA2BE102J	J	1k	1/8W	Carbon	AA
R7747	VRD-RA2BE102J	J	1k	1/8W	Carbon	AA
R7748	VRD-RA2BE102J	J	1k	1/8W	Carbon	AA
R7749	VRD-RA2BE102J	J	1k	1/8W	Carbon	AA
R7750	VRD-RA2BE102J	J	1k	1/8W	Carbon	AA
R7751	VRD-RA2BE102J	J	1k	1/8W	Carbon	AA
R7752	VRD-RA2BE103J	J	10k	1/8W	Carbon	AA
R7753	VRD-RA2BE102J	J	1k	1/8W	Carbon	AA
R7754	VRD-RA2BE393J	J	39k	1/8W	Carbon	AA
R7755	VRS-CY1JF183J	J	18k	1/16W	M.Ox	AA
R7756	VRS-CY1JF102J	J	1k	1/16W	M.Ox	AA
R7757	VRS-CY1JF223J	J	22k	1/16W	M.Ox	AA
R7758	VRS-CY1JF153J	J	15k	1/16W	M.Ox	AA
R7759	VRS-CY1JF102J	J	1k	1/16W	M.Ox	AA
R7760	VRS-CY1JF102J	J	1k	1/16W	M.Ox	AA
R7761	VRS-CY1JF274J	J	270k	1/16W	M.Ox	AA
R7762	VRS-CY1JF224J	J	220k	1/16W	M.Ox	AA
R7763	VRS-CY1JF473J	J	47k	1/16W	M.Ox	AA
R7764	VRD-RA2BE472J	J	4.7k	1/8W	Carbon	AA
R7765	VRS-CY1JF104J	J	100k	1/16W	M.Ox	AA
R7766	VRD-RA2BE102J	J	1k	1/8W	Carbon	AA
R7767	VRD-RA2BE102J	J	1k	1/8W	Carbon	AA
R7769	VRS-CY1JF103J	J	10k	1/16W	M.Ox	AA
R7770	VRS-CY1JF102J	J	1k	1/16W	M.Ox	AA
R7771	VRS-CY1JF102J	J	1k	1/16W	M.Ox	AA
R7772	VRD-RA2BE102J	J	1k	1/8W	Carbon	AA
R7773	VRD-RA2BE102J	J	1k	1/8W	Carbon	AA
R7774	VRS-CY1JF681J	J	680	1/16W	M.Ox	AA
R7775	VRS-CY1JF332J	J	3.3k	1/16W	M.Ox	AA
R7776	VRS-CY1JF102J	J	1k	1/16W	M.Ox	AA
R7781	VRS-CY1JF103J	J	10k	1/16W	M.Ox	AA
R7782	VRD-RA2BE102J	J	1k	1/8W	Carbon	AA
R7788	VRS-CY1JF103F	J	10k	1/16W	M.Ox	AA
R7789	VRS-CY1JF332J	J	3.3k	1/16W	M.Ox	AA
R7790	VRS-CY1JF102J	J	1k	1/16W	M.Ox	AA
R7791	VRS-CY1JF102J	J	1k	1/16W	M.Ox	AA
R7792	VRS-CY1JF123J	J	12k	1/16W	M.Ox	AA
R7793	VRS-CY1JF103F	J	10k	1/16W	M.Ox	AA
R7794	VRS-CY1JF123J	J	12k	1/16W	M.Ox	AA

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MAIN UNIT (Continued)

Ref. No.	Part No.	★	Description	Code
R7796	VRS-CY1JF332J	J	3.3k 1/16W M.Ox	AA
R7797	VRS-CY1JF182J	J	1.8k 1/16W M.Ox	AA
R7798	VRS-CY1JF102J	J	1k 1/16W M.Ox	AA
R7803	VRS-CY1JF103J	J	10k 1/16W M.Ox	AA
R7804	VRD-RA2BE222J	J	2.2k 1/8W Carbon	AA
R7805	VRS-CY1JF103J	J	10k 1/16W M.Ox	AA
R7806	VRS-CY1JF103J	J	10k 1/16W M.Ox	AA
⚠R7807	VRG-SC2EB1R8J	J	1.8 1/4W M.Ox	AE
R7808	VRD-RA2BE102J	J	1k 1/8W Carbon	AA
R7809	VRS-CY1JF822J	J	8.2k 1/16W M.Ox	AA
R7810	VRS-CY1JF822J	J	8.2k 1/16W M.Ox	AA
R7811	VRS-CY1JF822J	J	8.2k 1/16W M.Ox	AA
R7812	VRS-CY1JF822J	J	8.2k 1/16W M.Ox	AA
R7818	VRS-CY1JF103J	J	10k 1/16W M.Ox	AA
R7820	VRS-CY1JF102J	J	1k 1/16W M.Ox	AA
R7821	VRD-RA2BE102J	J	1k 1/8W Carbon	AA
R7822	VRS-CY1JF104J	J	100k 1/16W M.Ox	AA
R7823	VRS-CY1JF102J	J	1k 1/16W M.Ox	AA
R7824	VRD-RA2BE102J	J	1k 1/8W Carbon	AA
R7826	VRS-CY1JF103J	J	10k 1/16W M.Ox	AA
R7827	VRS-CY1JF103J	J	10k 1/16W M.Ox	AA
R7828	VRS-CY1JF684J	J	680k 1/16W M.Ox	AA
R8301	VRD-RA2BE181J	J	180 1/8W Carbon	AA
R8302	VRD-RA2BE181J	J	180 1/8W Carbon	AA
R8303	VRD-RA2EE122J	J	1.2k 1/4W Carbon	AA
R8304	VRD-RA2EE122J	J	1.2k 1/4W Carbon	AA
R8305	VRD-RA2EE122J	J	1.2k 1/4W Carbon	AA
R9902	VRS-CY1JF472J	J	4.7k 1/16W M.Ox	AA

SWITCHES

S501	QSW-B0015CEZZ	J	V-Lin	AC
S2506	QSW-K0094GEZZ	J	Crystal Picture	AC
S2507	QSW-K0094GEZZ	J	CH-Up	AC
S2508	QSW-K0094GEZZ	J	CH-Down	AC
S2509	QSW-K0094GEZZ	J	Vol-Up	AC
S2510	QSW-K0094GEZZ	J	Vol-Down	AC
S2511	QSW-K0094GEZZ	J	TV/Video	AC
S2512	QSW-K0094GEZZ	J	REC	AC

MISCELLANEOUS PARTS

⚠RY701	RRLYU0038CEZZ	J	Relay	AM
⚠RY725	RRLYU0038CEZZ	J	Relay	AM
⚠F701	QFS-B4023CEZZ	J	Fuse, 4A 125V (25VT-J100)	AC
FB702	RBLN-0037CEZZ	J	Ferrite Bead	AB
FB704	RBLN-0036CEZZ	J	Ferrite Bead	AB
FB726	RBLN-0054CEZZ	J	Ferrite Bead	AB
FB727	RBLN-0037CEZZ	J	Ferrite Bead	AB
FB731	RBLN-0037CEZZ	J	Ferrite Bead	AB
FB732	RBLN-0057CEZZ	J	Ferrite Bead	AC
FB2001	RBLN-0037CEZZ	J	Ferrite Bead	AB
FB6601	RBLN-0036CEZZ	J	Ferrite Bead	AB
FB7701	RBLN-0036CEZZ	J	Ferrite Bead	AB
FB7702	RBLN-0036CEZZ	J	Ferrite Bead	AB
FH701	QFSHD1017CEZZ	J	Fuse Holder (25VT-J100)	AC
FH702	QFSHD1018CEZZ	J	Fuse Holder (25VT-J100)	AC
J401	QJAKF0040CEZZ	J	AV Input Jack	AF
P351	QPLGN0261CEZZ	J	Plug 2-pin (S)	AB
P404	QPLGN0561CEZZ	J	Plug 5-pin (GC)	AB
P602	QPLGN0160FJZZ	J	Plug 5-pin (K)	AD
P651	QPLGN0361CEZZ	J	Plug 3-pin TP651-3	AB
P701	QPLGN0207CEZZ	J	Plug 2-pin (M)	AA
P702	QPLGN0269GEZZ	J	Plug 2-pin (P) (25VT-J100)	AB
P703	QPLGN0461CEZZ	J	Plug 4-pin (YC)	AB
P705	QPLGN0304CEZZ	J	Plug 3-pin (PC) (25VT-CJ10)	AB
P708	QPLGN0278GEZZ	J	Plug 2-pin	AA
P2207	QPLGN0361CEZZ	J	Plug 3-pin TP2207-8, TP6601	AB
P2401	QPLGN0561CEZZ	J	Plug 5-pin TP3105-5	AB
P3102	QPLGN0478GEZZ	J	Plug 4-pin (YR)	AB
P3104	QPLGN0278GEZZ	J	Plug 2-pin (RC)	AA
P3301	QPLGN0352GEZZ	J	Plug 3-pin TP3301-3	AA
P6601	QPLGN0253REZZ	J	Plug 2-pin (AE)	AC
P7702	QPLGN0252GEZZ	J	Plug 2-pin TP7703-4	AA
P7705	QPLGN0247REZZ	J	Plug 2-pin (AL)	AA
P7706	QPLGZ0901PEZZ	J	Plug 9-pin (AC)	AL
P7707	QPLGZ0802PEZZ	J	Plug 8-pin (AM)	AF
SC3301	QSOCN0401PEZZ	J	Socket 4-pin (AH)	AF
SC6601	QSOCN0695REZZ	J	Socket 6-pin (AA)	AB
SC7701	QSOCN0795REZZ	J	Socket 7-pin (AD)	AC
RDA50	PRDAR0234PEFW	J	Heat Sink	AH
RDA70	PRDAR0209PEFW	J	Heat Sink	AF
	VHiKA7805Pi-1	J	Kia7805Pi	AE
	VHiPQ09RD11-1	J	Pq09Rd11	AG
	VS2SD2095//1E	J		AN
	PRDAR0219PEFW	J	Heat Sink	AE
	PRDAR0232PEFW	J	Heat Sink	AF
	PSLDM0203PEFW	J	Shield	AD
	PSLDM0204PEFW	J	Shield	AD
	QCNW-2101PEZZ	J	Connecting Cord	AC
	QCNW-2109PEZZ	J	Connecting Cord (25VT-J100)	AD
	LHLDP1051PEZZ	J	Holder	AD
	LHLDZ0094PEZZ	J	Holder	AC
	LHLDW3010GEZZ	J	Holder	AA

— End of PWB-A —

Ref. No.	Part No.	★	Description	Code

PWB-B DUNTK9284WEV0
CRT UNIT

TRANSISTIRS

Q853	VS2SC3619LB1E	J	2SC3619	AD
Q854	VS2SC3619LB1E	J	2SC3619	AD
Q855	VS2SC3619LB1E	J	2SC3619	AD
Q894	VS2SA1266-Y-1	J	2SA1266 (Y)	AA

DIODES

D850	VHD1SS119//-1	J	Diode	AB
D851	VHD1SS119//-1	J	Diode	AB
D852	VHD1SS119//-1	J	Diode	AB
D894	VHD1SS119//-1	J	Diode	AB
D895	VHD1SS119//-1	J	Diode	AB
D898	VHD1SS119//-1	J	Diode	AB

COIL

L851	VP-MK820K0000	J	Peaking 82µH	AB

CAPACITORS

[EL. ··· Electrolytic]

C850	VCKYPA1HF103Z	J	0.01	50V	Ceramic	AA
C851	VCEAGA1CW476M	J	47	16V	EL.	AB
C876	VCCSPA1HL391J	J	390p	50V	Ceramic	AA
C877	VCCSPA1HL391J	J	390p	50V	Ceramic	AA
C878	VCCSPA1HL391J	J	390p	50V	Ceramic	AA
C880	RC-KZ0024CEZZ	J	0.001	2kV	Ceramic	AC
C892	VCEAGA1CW106M	J	10	16V	EL.	AA
C893	VCEAGA1CW106M	J	10	16V	EL.	AA

RESISTORS

[M.Ox ··· Metal Oxide]

R850	VRD-RA2BE470J	J	47	1/8W	Carbon	AA
R851	VRD-RA2BE470J	J	47	1/8W	Carbon	AA
R852	VRD-RA2BE470J	J	47	1/8W	Carbon	AA
R856	VRD-RA2BE181J	J	180	1/8W	Carbon	AA
R857	VRD-RA2BE181J	J	180	1/8W	Carbon	AA
R858	VRD-RA2BE181J	J	180	1/8W	Carbon	AA
⚠ R859	VRS-VV3LB123J	J	12k	3.0W	M.Ox	AB
⚠ R861	VRS-VV3LB123J	J	12k	3.0W	M.Ox	AB
⚠ R863	VRS-VV3LB123J	J	12k	3.0W	M.Ox	AB
R876	VRD-RA2BE121J	J	120	1/8W	Carbon	AA
R877	VRD-RA2BE121J	J	120	1/8W	Carbon	AA
R878	VRD-RA2BE121J	J	120	1/8W	Carbon	AA
R880	VRD-RM2HD222J	J	2.2k	1/2W	Carbon	AA
R881	VRD-RM2HD222J	J	2.2k	1/2W	Carbon	AA
R882	VRD-RM2HD222J	J	2.2k	1/2W	Carbon	AA
R884	VRD-RA2BE470J	J	47	1/8W	Carbon	AA
R891	VRD-RA2BE102J	J	1k	1/8W	Carbon	AA
R892	VRD-RA2BE271J	J	270	1/8W	Carbon	AA
R894	VRD-RA2BE152J	J	1.5k	1/8W	Carbon	AA
R895	VRD-RA2EE561J	J	560	1/4W	Carbon	AA

Ref. No.	Part No.	★	Description	Code

MISCELLANEOUS PARTS

P860	QPLGN0461CEZZ	J	Plug 4-pin (YC)	AB
P880	QPLGN0561CEZZ	J	Plug 5-pin (GC)	AB
SC851	QSOCV0931CEZZ	J	CRT Socket	AK

— End of PWB-B —

PWB-C DUNTK9162WEV2
SUB POWER UNIT

DIODE

⚠ VA1701	RH-VX0026CEZZ	J	Varistor		AC

COIL

⚠ L1701	RCiLF0090CEZZ	J	Coil		AL

CAPACITOR

⚠ C1701	RC-FZ017SCEZZ	J	0.22	AC250V Ceramic	AD

MISCELLANEOUS PARTS

⚠ F701	QFS-B4023CEZZ	J	Fuse, 4A 125V	AC
FH701	QFSHD1002CEZZ	J	Fuse Holder	
FH702	QFSHD1002CEZZ	J	Fuse Holder	
P1704	QPLGN0304CEZZ	J	Plug 3-pin (PC)	
P1706	QTiPM0083CEZZ	J	Tip	
P1707	QPLGN0269GEZZ	J	Plug 2-pin (P)	AB

— End of PWB-C —

Ref. No.	Part No.	★	Description	Code

PWB-D DUNTK9056WEV8
VCR KEY UNIT

RESISTORS

R2502	VRD-RA2BE103J	J	10k	1/8W	Carbon	AA
R2503	VRD-RA2BE223J	J	22k	1/8W	Carbon	AA
R2504	VRD-RA2BE563J	J	56k	1/8W	Carbon	AA

SWITCHES

S2501	QSW-K0094GEZZ	J	Stop/Eject	AC
S2502	QSW-K0094GEZZ	J	Play	AC
S2503	QSW-K0094GEZZ	J	FF	AC
S2504	QSW-K0094GEZZ	J	REW	AC

MISCELLANEOUS PARTS

P2501	QPLGN0278GEZZ	J	Plug 2-pin (RC)	AA
	QCNW-1942PEZZ	J	Connecting Cord	AE

— End of PWB-D —

PWB-E DUNTK9055WEV8
POWER SW UNIT

CAPACITOR

C2601	VCEAGA1AW107M	J	100	10V	Electrolytic	AB

RESISTORS

R2601	VRD-RA2BE101J	J	100	1/8W	Carbon	AA
R2602	VRD-RA2BE221J	J	220	1/8W	Carbon	AA
R2603	VRD-RA2BE470J	J	47	1/8W	Carbon	AA

MISCELLANEOUS PARTS

S2601	QSW-K0124CEZZ	J	Switch Power	AE
P2601	QPLGN0478GEZZ	J	Plug 4-pin (YR)	AB
RMC2601	RRMCU0222CEZZ	J	R/C Receiver	AL
	QCNW-1943PEZZ	R	Connecting Cord	AF

— End of PWB-E —

PWB-F DUNTK9066WEV0
SENSOR UNIT

DIODES

D7702	RH-PX0252GEZZ	J	GP1S563			AF
D7703	RH-PX0252GEZZ	J	GP1S563			AF
D7704	RH-PX0253GEZZ	J	GP1S94			AF
D7705	RH-PX0253GEZZ	J	GP1S94			AF
D7707	RH-PX0234GEZZ	J	LED			AD

CAPACITORS

C7722	VCKYD41CY103N	J	0.01	16V	Ceramic	AA
C7723	VCKYD41CY103N	J	0.01	16V	Ceramic	AA
C7735	VCKYD41CY103N	J	0.01	16V	Ceramic	AA
C7736	VCKYD41CY103N	J	0.01	16V	Ceramic	AA

RESISTORS

R7777	VRD-RA2BE102J	J	1k	1/8W	Carbon	AA
R7778	VRD-RA2BE154J	J	150k	1/8W	Carbon	AA
R7779	VRD-RA2BE102J	J	1k	1/8W	Carbon	AA
R7780	VRD-RA2BE154J	J	150k	1/8W	Carbon	AA
R7795	VRD-RA2EE151J	J	150	1/4W	Carbon	AA
R7799	VRD-RA2BE104J	J	100k	1/8W	Carbon	AA
R7800	VRD-RA2BE271J	J	270	1/8W	Carbon	AA
R7801	VRD-RA2BE104J	J	100k	1/8W	Carbon	AA
R7802	VRD-RA2BE271J	J	270	1/8W	Carbon	AA
SC7708	QSOCZ0879GEZZ	J	Socket 8-pin (MA)			AG
	LHLDP1161AJZZ	J	Holder			AE

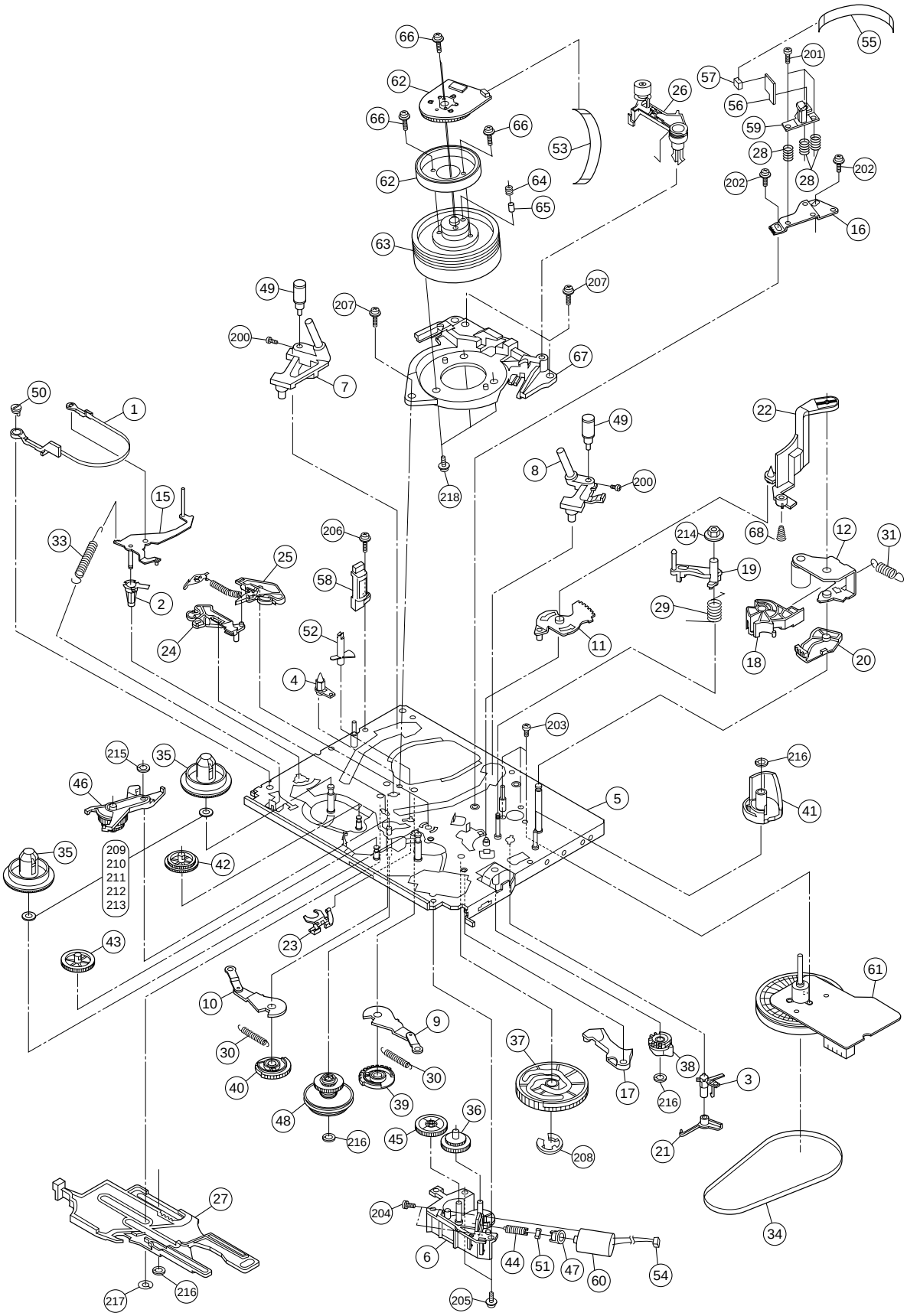
— End of PWB-F —

MECHANISM CHASSIS PARTS

Ref. No.	Part No.	★	Description	Code
1	LBNDK1009AJZZ	V	Tension Band Ass'y	AH
2	LBOSZ1001AJZZ	V	Tension Arm boss	AB
3	LBOSZ1002AJZZ	V	Slow Brake Boss	AD
4	LBOSZ1003AJZZ	V	Cassette Stay L	AC
5	LCHSM0158AJZZ	V	Main Chassis Ass'y	BA
6	LHLDZ1958AJZZ	V	Loading Motor Block	AG
7	LPOLM0056GEZZ	V	Supply Pole Base Ass'y	AM
8	LPOLM0057GEZZ	V	Take Up Pole Base Ass'y	AM
9	MLEVF0459AJZZ	V	Take-Up Loading Arm Ass'y	AF
10	MLEVF0461AJZZ	V	Supply Loading Arm Ass'y	AF
11	MLEVF0463AJZZ	V	Pinch Drive Lever Ass'y	AG
12	MLEVF0464GEZZ	V	Pinch Roller Lever Ass'y	AW
15	MLEVF0467AJZZ	V	Tension Arm Ass'y	AK
16	MLEVF0468AJFW	V	Audio/Control Head Arm	AG
17	MLEVP0271AJZZ	V	Sifter Drive Lever	AE
18	MLEVP0272AJZZ	V	Pinch Double Action Lever	AD
19	MLEVP0273AJZZ	V	Reverse Guide Lever Ass'y	AL
20	MLEVP0275AJZZ	V	Reverse Drive Lever	AD
21	MLEVP0276AJZZ	V	Slow Brake	AE
22	MLEVP0277AJZZ	V	Open Lever	AD
23	MLEVP0278AJZZ	V	Clutch Lever	AE
24	MLEVP0288AJZZ	V	Sup Main Brake Ass'y	AF
25	MLEVP0289AJZZ	V	Take-Up Main Brake Ass'y	AF
26	CLEVP0287AJZZ	V	Auto Head Cleaner Ass'y	AG
27	MSLiP0008AJZZ	V	Sifter	AH
28	MSPRC0205AJFJ	V	Audio/Control Head Spring	AC
29	MSPRD0175AJFJ	V	Reverse Guide Spring	AE
30	MSPRT0402AJFJ	V	Loading Double Action Spring	AE
31	MSPRT0403AJFJ	V	Pinch Double Action Spring	AD
33	MSPRT0405AJFJ	V	Tension Spring	AE
34	NBLTK0067AJ00	V	Drive Belt	AE
35	NDAiV1070AJ00	V	Reel Disk	AE
36	NGERH1267AJZZ	V	Loading Connect Gear	AD
37	NGERH1268AJ00	V	Master Cam	AE
38	NGERH1269AJZZ	V	Casecon Drive Gear	AD
39	NGERH1270AJZZ	V	Take-Up Loading Gear	AF
40	NGERH1271AJZZ	V	SupplyLoading Gear	AD
41	NGERH1272AJZZ	V	Pinch Drive Cam	AE
42	NGERH1289AJZZ	V	Supply Reel Relay Gear	AE
43	NGERH1290AJZZ	V	Take-Up Reel Relay Gear	AE
44	NGERW1062AJZZ	V	Worm Gear	AD
45	NGERW1063AJZZ	J	Worm Wheel Gear	AD
46	NiDR-0015AJZZ	J	Odler Wheel Ass'y	AK
47	NPLYV0160AJZZ	V	Motor Pully	AE
48	NPLYV0156AJZZ	V	Limitter Pulley Ass'y	AM
49	NROLP0110GEZZ	J	Guide Roller	AH
50	NSFTP0034AJZZ	J	Tension Pole Adjuster	AB
51	PGUMM0043AJZZ	V	Damper Raber	AD
52	PREFL1007AJZZ	V	Light Guide	AE
53	QCNW-0247AJZZ	V	FFC for Drum Motor	AG
54	QCNW-0271AJZZ	V	Lead Wire for Loading Motor	AD
55	QCNW-0272AJZZ	V	FFC for Audio/Control	AF
56	QPWBF5243AJZZ	V	Audio/Control Head PWB	AE
57	QSOCN0605REN1	J	Socket, 6 pin	AB
58	RHEDT0031AJZZ	J	Full Erase Head	AX
59	RHEDU0085GEZZ	J	Audio/Control Head	BA
60	RMOTM1062GEZZ	V	Loading Motor	AP
61	RMOTN2053GEZZ	V	Capstan Motor	BF
62	RMOTP1129GEZZ	V	Drum Drive Motor	BF
63	DDRMW0014TEX0	V	Upper and lower drum Ass'y	BQ
64	MSPRC0194GEFJ	J	Drum Earth Brush Spring	AA
65	QBRSK0034GEZZ	J	Drum Earth Brush	AD
66	XBPSD26P05J00	J	Drum Drive Motor Mounting Screw (SW2.6P+5S)	AA
67	PGiDC0055GEFW	J	Drum Base	AL
68	MSPRC0213AJFJ	J	Earth Spring	AC

— End of MECHANISM CHASSIS PARTS —

MECHANISM CHASSIS PARTS



SCREW, NUT AND WASHERS

Ref. No.	Part No.	★	Description	Code
200	LX-XZ3030GEFD	J	Screw	AC
201	XBPSD26P08000	J	Screw	AA
202	LX-HZ3082GEZZ	J	Audio/Control Head Screw	AD
203	XBPSD26P06000	J	Screw, C2.6P+6S (For Capstan Motor)	AA
204	XBPSD30P05J00	J	Screw, SW2.6P+5S (Loading Motor)	AA
205	XHPSD26P06WS0	J	Screw, C2.6P+6S (For Loading Motor Block)	AA
206	XHPSD26P08WS0	J	Screw, C2.6P+8S (For F/E Head)	AA
207	XHPSD30P08WS0	J	Screw, C3.0P+8S (For Drum Base)	AA
208	XRESJ40-06000	J	E-Ring, E-4	AA
209	XWHJZ52-05095	J	Washer, W5.2-9.5-0.5	AD
210	XWHJZ52-03095	J	Washer, W5.2-9.5-0.3	AD
211	XWHJZ52-04095	J	Washer, W5.2-9.5-0.4	AD
212	XWHJZ52-06095	J	Washer, W5.2-9.5-0.6	AD
213	XWHJZ52-07095	J	Washer, W5.2-9.5-0.7	AD
214	PSPAP0009AJZZ	V	Reverse Guide Adjusting Nut	AB
215	LX-WZ1003GE00	J	Cut Washer	AA
216	LX-WZ1041GE00	J	Cut Washer	AA
217	LX-WZ1073GE00	J	Cut Washer	AB
218	XBPSD30P08J00	J	Drum Base Mounting Screw(SW3P+8S)	AA

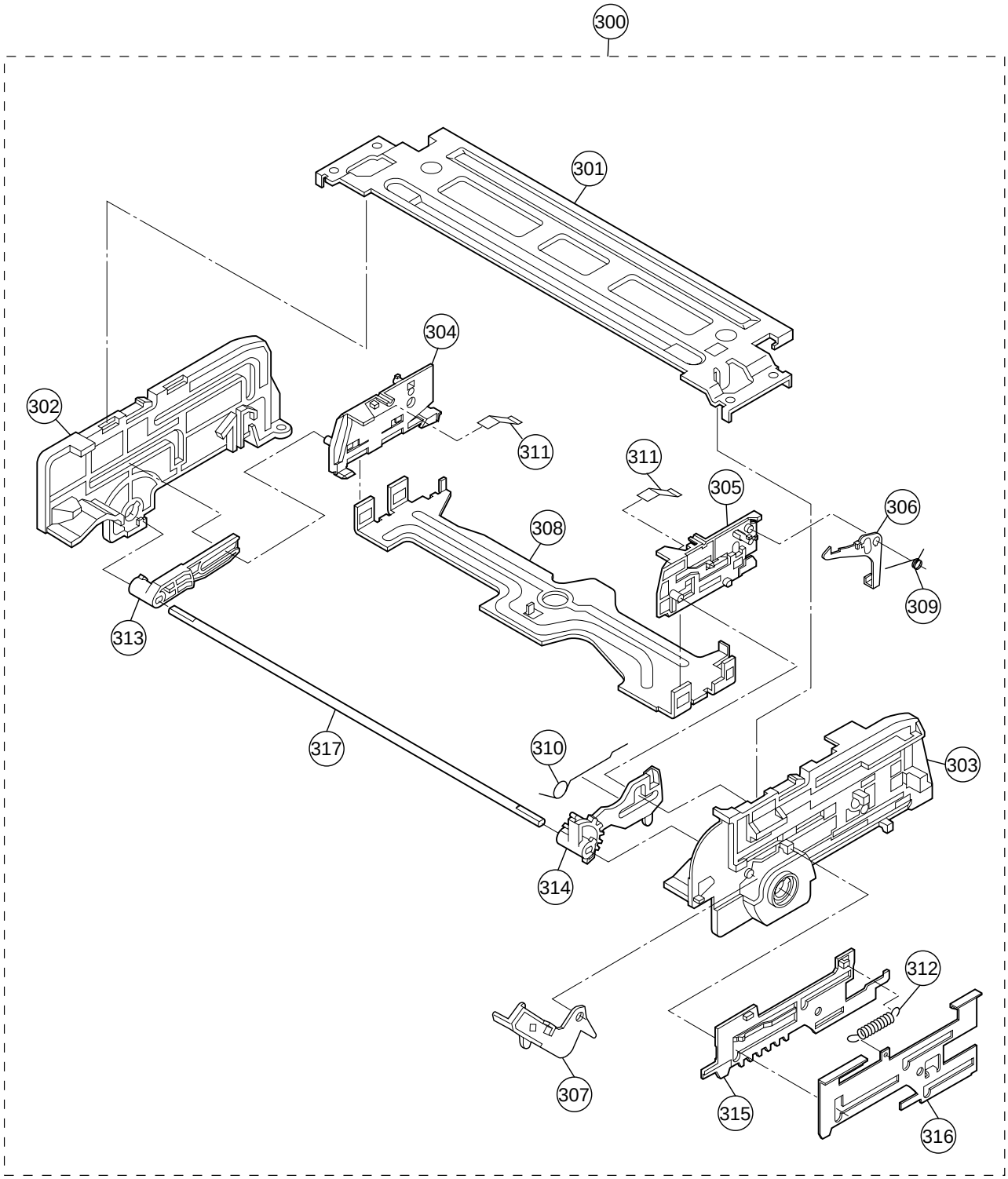
— End of SCREW, NUT AND WASHERS —

CASSETTE HOUSING CONTROL PARTS

Ref. No.	Part No.	★	Description	Code
300	CHLDX3074TEV0	V	Cassette Housing Control Ass'y	AX
301	LANGF9592AJFW	V	Upper Plate	AL
302	LHLDX1028AJ00	V	Frame (L)	AH
303	LHLDX1029AJ00	V	Frame (R)	AH
304	LHLDX1030AJZZ	V	Holder (L)	AE
305	LHLDX1031AJZZ	V	Holder (R)	AE
306	MLEVF0469AJFW	V	Proof Lever (R)	AE
307	MLEVP0281AJ00	V	Door Open Lever	AD
308	MSLiF0073AJFW	V	Slider	AK
309	MSPRD0151AJFJ	V	Proof Lever (R) Spring	AB
310	MSPRD0166AJFJ	V	Drive Gear (R) Spring	AE
311	MSPRP0175AJFJ	V	Cassette Spring	AE
312	MSPRT0381AJFJ	V	Double Action Spring	AC
313	NGERH1278AJZZ	V	Drive Gear L	AE
314	NGERH1279AJZZ	V	Drive Gear R	AE
315	NGERR1008AJ00	V	Double Action Rack Gear	AE
316	NGERR3005AJFW	V	Drive Angle Gear	AG
317	NSFTD0041AJFD	V	Main Shaft	AH

— End of CASSETTE HOUSING CONTOL PARTS —

CASSETTE HOUSING CONTROL PARTS



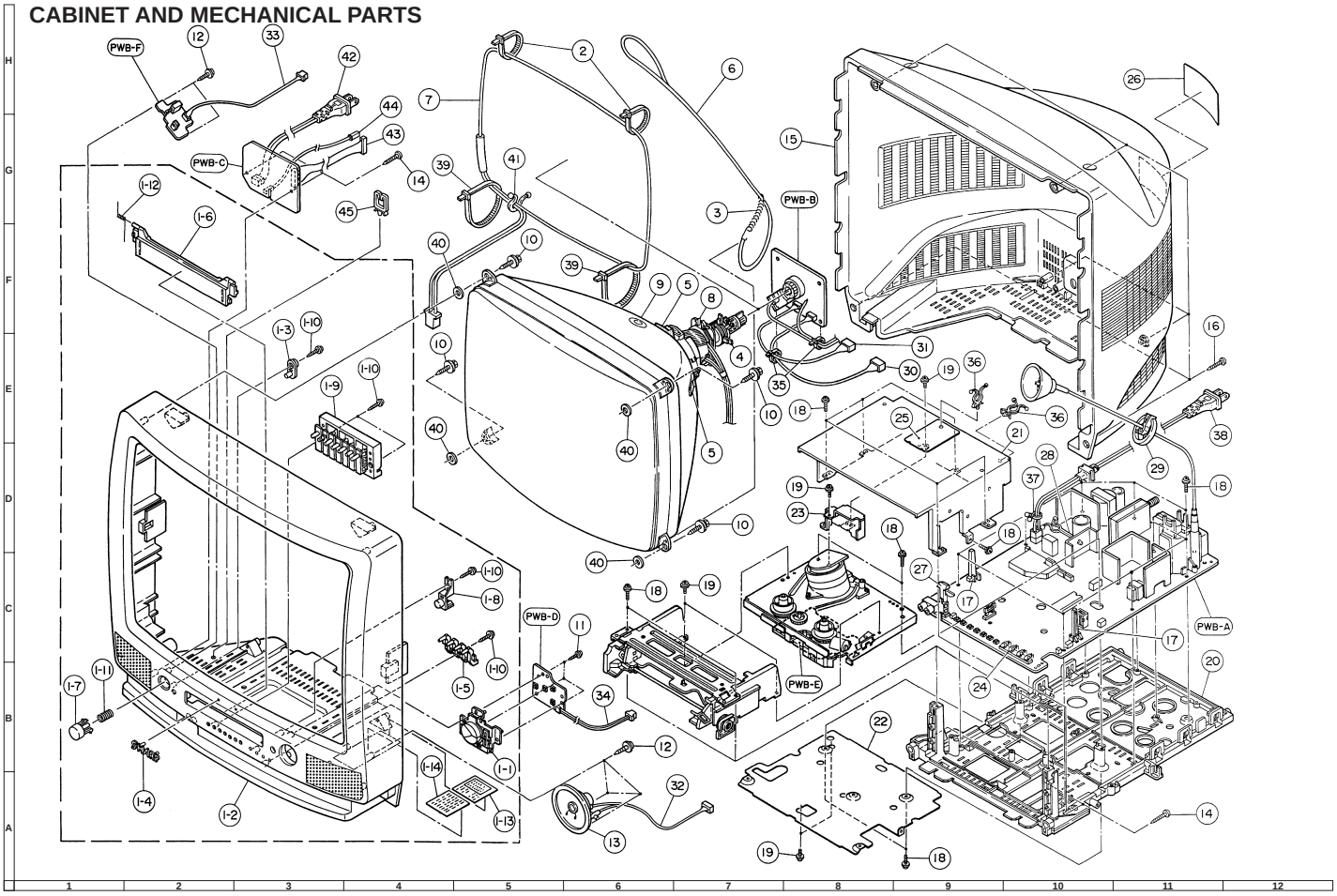
CABINET AND MECHANICAL PARTS

Ref. No.	Part No.	★	Description	Code
1	CCABA1280MES0	M	Cabinet Compete Ass'y	BL
1-1	CBTN-0228WEV0	M	Control Button Ass'y	AG
1-2	- *Not Available* -	–	Cabinet-Front	—
1-3	GCOVA0052PESA	R	Cover, R/C.	AC
1-4	HBDGB1008MESA	M	Badge, SHARP	AA
1-5	HDECQ0079PESA	R	LED Decoration	AD
1-6	HDECQ0081PESC	M	Cassette Flap-Door	AG
1-7	JBTN-0160PESA	R	Button, Power	AD
1-8	JBTN-0225PESA	R	Button, Eject	AD
1-9	JBTN-0261PESA	M	Button, Control	AE
1-10	XTASD30P12000	J	Screw	AA
1-11	MSPRC0003MEFW	M	Button Spring	AA
1-12	MSPRD0123AJFJ	J	Cassette Flap-Door Spring	AC
1-13	TCAUH3045MEZZ	M	Caution Label (25VT-J100)	AA
1-13	TCAUS3011MEZZ	M	Attention Label (25VT-CJ10)	
1-14	TCAUS3004MEZZ	M	Warning Label (25VT-CJ10)	
2	LHLDW1007MEKZ	M	Degaussing Coil Holder	AD
3	MSPRT0002MEFJ	M	Spring, Grounding Strap	
4	PMAGF3001MEZZ	M	Purity Magnet	AG
5	PSPAG0012MEZZ	M	Wedge (Gum), Yoke Positioning x3	AA
6	QEARC2508MEZZ	M	Wire, Grounding Strap	AF
⚠ 7	RCiLG0007MEZZ	M	Degaussing Coil	AN
⚠ 8	RCiLH0095MEZZ	M	Deflection Yoke	BB
⚠ 9	VB63AFW32X/*S	M	Picture Tube (V101)	CK
10	LX-TZ3013MEFD	M	Screw x4	
11	XTASD30P12000	J	Screw	AA
12	LX-TZ3011CEFD	J	Screw	AA
13	VSP0080PBK98A	J	Speaker	AP
14	XTASD40P16000	J	Screw	AA
15	GCABB1114MEKA	M	Cabinet-Rear	BB
16	XTASD40P20000	J	Screw x6	AA
17	LHLDZ0094PEZZ	R	Sensor Holder	AC
18	LX-HZ3001PEFD	R	Screw	AA
19	XHPSD30P06WS0	J	Screw	AA
20	LCHSM0056PEKZ	R	Chassis Frame	AW
21	PSLDM0215PEFW	R	Shield Case (Top)	AQ
22	PSLDM0202PEFW	R	Shield Case (Bottom)	AK
23	PSLDM0205PEFW	R	Shield Case	AF
24	LHLDP1051PEZZ	R	LED Holder	AD
25	PSLDM0214PEFW	R	Shield Case	AD
26	TLABG0036MEZZ	R	Label (25VT-J100)	
26	TLABG0059MEZZ	R	Label (25VT-CJ10)	
27	QSW-F0001PEZZ	R	Rec Chip Switch (S7701)	AG
28	LHLDW0013PEZZ	R	Wire Holder	AB
29	LHLDZ1037MEZZ	R	H. V. Wire Holder	
30	QCNW-2104PEZZ	R	Connecting Cord	AF
31	QCNW-1940PEZZ	R	Connecting Cord	AG
32	QCNW-1947PEZZ	R	Connecting Cord (S)	AF
33	QCNW-1943PEZZ	R	Connecting Cord (YR)	AF
34	QCNW-1942PEZZ	R	Connecting Cord	AE
35	LHLDW1075PEKZ	R	Wire Holder	AB
36	LHLDW1019PEKZ	R	Wire Holder	AB
37	LHLDW0017PEKZ	R	Wire Holder	AC
⚠ 38	QACCD3042CESA	J	AC Cord (25VT-J100)	AN
39	LHLDW1008MEKZ	M	Degausing Coil Holder	AB
40	LX-WZ3013MEFD	M	CRT Washer	AA
41	LHLDW1060CEZZ	J	Wire Holder	AB
⚠ 42	AQCCD3031CESA	J	AC Cord (25VT-CJ10)	
43	QCNW-2079PEZZ	R	Connecting Cord (25VT-CJ10)	
44	QCNW-2147PEZZ	R	Connecting Cord (25VT-CJ10)	
45	LHLDW1070PEKZ	R	Holder	

— End of CABINET AND MECHANICAL PARTS —

25VT-J100	25VT-J100
25VT-CJ10	25VT-CJ10

CABINET AND MECHANICAL PARTS



SUPLLIED ACSESSORIES

Ref. No.	Part No.	★	Description	Code
	RRMCG1330PESA	R	Infrared R/C Unit	AR
	TGAN-1006MEZZ	M	Guarantee Card (25VT-J100)	AA
	TINS-6068MEZZ	M	Operation Manual (25VT-J100)	AF
	TCAU3025MEZZ	M	Safety Tip (25VT-J100)	AA
	TINS-6132MEZZ	M	Operation Manual (25VT-CJ10)	

— End of SUPLLIED ACSESSORIES —

PACKING PARTS
(NOT REPLACEMENT ITEM)

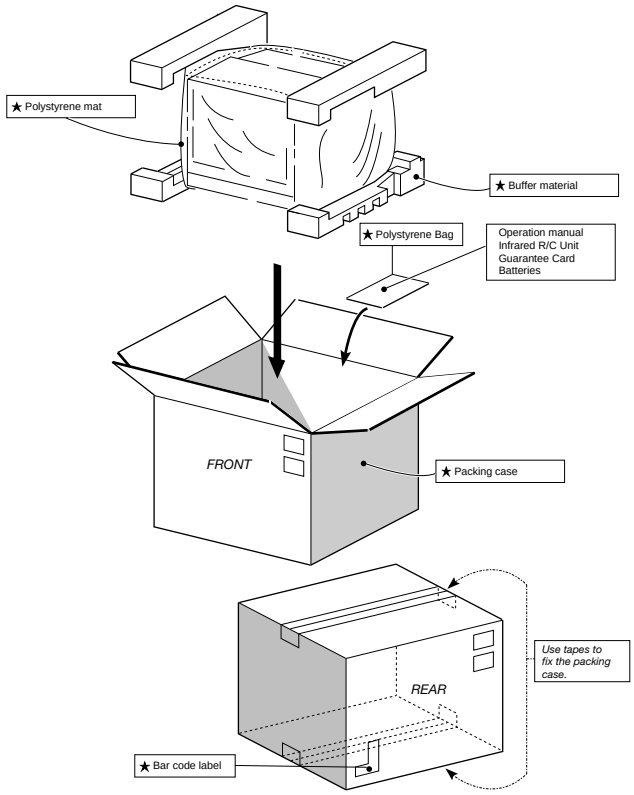
Ref. No.	Part No.	★	Description	Code
	SPAKC0551MEZZ	–	Packing Case	—
	SPAKP0032MEZZ	–	Polystyrene Mat	—
	SPAKX0160MEZZ	–	Buffer Material	—
	SSAKA0004MEZZ	–	Polyethylene Bag	—

— End of PACKING PARTS —

PACKING OF THE SET

• SETTING POSITIONS OF THE KNOBS

Power SW	**OFF**
Channel	**2ch**
S-Volume	**About 20/50**



MARK ★ : Not replacement items.

Memo

SHARP

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